

Removal and Installation

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Introduction

This chapter is a step-by-step guide to the removal and installation of the key components of the printer. You may find it useful to check off the steps as they are performed. Use the illustrations for each procedure to identify the parts referred to in the text.

The procedures appear in order of removal. The whole machine can be stripped down by starting at the beginning of this chapter and working through the subsequent procedures.

Before using this chapter to remove and install a new component, always make sure that you have performed the relevant service test from Chapter 4. If the test passes you will not need to replace the component.

Safety Precautions

Review the instructions identified by WARNING and CAUTION symbols before you service the printer. Follow these warnings and cautions for your protection and to avoid damaging the printer.

Serious shock hazard leading to death or injury may result if you do not take the following precautions:

- **Ensure that the ac power outlet (mains) has a protective earth (ground) terminal.**
- **Switch the plotter off, and disconnect it from the power source prior to performing any maintenance.**
- **Prevent water or other liquids from running onto electrical components or circuits, or through openings in the module.**

Electrostatic Discharge (ESD) Precautions

To prevent damage to the Printer circuits from high-voltage electrostatic discharge (ESD):

1. Do not wear clothing that is subject to static build-up.
2. Do not handle integrated circuits (ICs) in carpeted areas.
3. Do not remove an IC or a printed circuit assembly (PCA) from its conductive foam pad or conductive packaging until you are ready to install it.
4. Ground (earth) your body while disassembling and working on the Printer.
5. After removing a cover from the Printer, attach an earthing (ground) lead between the PCA common and earth ground. Touch all tools to earth ground to remove static charges before using them on the Printer.
6. After removing any PCA from the Printer, place it on a conductive foam pad or into its conductive packaging to prevent ESD damage to any ICs on the PCA.

Required Tools

All the special tools and equipment required to disassemble, service and repair the Printer are provided in the T1100/T610 Toolkit P/N Q6683-67001. Some tools can be ordered separately from the toolkit. Refer to Page 7-24.

The T1100/T610 Toolkit contains the following tools:

T1100/T610 Toolkit P/N Q6683-67001	
Description/Comments	HP Part Number
13 mm Combination Spanner	Q6675-67011
Alcohol	Q6675-60091
Allen Key #2	Q6675-60041
Cleaning Cloth	9300-2531
Flex Contacts Cleaning Support	Q1271-40384
Lubricant Oil	Q6675-60090
Media Driver Adjustment Tool	Q6675-67009
Handle for Media Driver Tool Support	Q6675-67010
Spanner	Q6675-67011
Oil Dispenser	Q6675-60062
Manual Pinch Arm Alignment Tool	Q5669-20595
Spring Insertion Tool	Q5669-20594
Protective Plastic Gloves	Q6675-60035
Screwdriver	8710-2456
Tweezers	Q6675-60037
T1100/T1100ps/T610 Cleaning Assembly	C6071-60218

You will also need the following standard hand tools:

Standard Tool Requirements	
Description/Comments	Size
Long Torx Screwdriver	1/4 inch drive
Torx Bit (75 mm)	8
	10
	15
	20
Philips Screwdriver	1
Pliers	N/A
Snips	N/A
Pipe Spanner	5.5 mm
Flat Bladed Screwdriver	N/A

Service Calibration Guide to Removal and Installation

Using the Service Calibration Guide

When you remove most T1100/T1100ps/T610 printer components, you will need to perform a particular set of Service Calibrations and Diagnostic tests to ensure proper printer performance.

The Service Calibration Matrix explains which service calibrations and diagnostic tests (top row) need to be performed whenever you remove and install particular printer components (left most column).

A number in the body of the table indicates that the service calibration of the same column must be performed whenever you remove the corresponding component. The calibrations must be performed in the order they are numbered.

Start by locating the component you have removed and installed in the left most column.

Even if you do not replace the removed component with a new component, you still need to perform the calibrations indicated by the matrix.

The Service Calibration Matrix

	PRS Test	Scan Axis Test	Cutter test	Star Wheel Lifter test	2. Paper Drive	3. Electronics Module	4. Carriage Assembly	5. Sensors	6. Rewinder	7. Ink Delivery System (IDS)	8. Service Station	Paper Advance Calibration	Drop Detector Calibration	Line Sensor Calibration
Service Station											1		2	
Aerosol Fan Assembly											1		2	
Drop Detector											1		2	
Service Station Spittoon											1		2	
Primer Assembly											1		2	
Left Ink Supply Station										1				
Right Ink Supply Station										1				
Carriage Cover						3	1							2
Carriage Latch						3	1							2
Carriage PCA						3	1							2

	PRS Test	Scan Axis Test	Cutter test	Star Wheel Lifter test	2. Paper Drive	3. Electronics Module	4. Carriage Assembly	5. Sensors	6. Rewinder	7. Ink Delivery System (IDS)	8. Service Station	Paper Advance Calibration	Drop Detector Calibration	Line Sensor Calibration
PrintMech PCA						1								
Front Panel						1								
Power Supply Unit (PSU)						1								
Main PCA						1								
Ink Supply Tubes		1				2								
Media Advance Drive					1	3						2		
Encoder Disk					1	3						2		
Encoder Sensor					1	3						2		
Media Advance Roller					1	3		4				2		
Carriage Assembly		2	5				1	4						3
Belt Tensioner		2					1	4						3
Belt Assembly		2					1	4						3
Scan-Axis Motor		2					1	4						3
Trailing Cable		2					1	4						3
Carriage Rear Bushing		2	5				1	4						3
Line Sensor						3		2						1
Window Position Sensor						2		1						
Out of Paper Sensor								1						
Right Roll Guide								1						
Left Roll Guide								1						
Clean Out Assembly								1						
Pen to Paper Space (PPS) Solenoid	1													
Encoder Strip		1												

	PRS Test	Scan Axis Test	Cutter test	Star Wheel Lifter test	2. Paper Drive	3. Electronics Module	4. Carriage Assembly	5. Sensors	6. Rewinder	7. Ink Delivery System (IDS)	8. Service Station	Paper Advance Calibration	Drop Detector Calibration	Line Sensor Calibration
Starwheel Assembly				1										
Starwheel Motor				1		2								
Left Starwheel Lifter				1		2								
Right Starwheel Lifter														
Print Zone Overdrive				1										
Media Lever Position Sensor								1						
Pinchwheel Assembly					1			2						
Pinch Roller					1			2						
Preventive Maintenance Kit #1		2					1	4						3
Preventive Maintenance Kit #2											1		2	
Preventive Maintenance Kit #3			1											
Preventive Maintenance Kit #4		2					1	4						3
Cutter Assembly			1											
Right Spindle Holder (rewinder included)									1			2		
Top Cover						1								
Ink Supply Tubes Support Rail						1		2						

Performing the Service Calibrations and Diagnostic Tests

When you are ready to perform the service calibrations and diagnostic tests that correspond to the component you have installed or replaced, consult the following page numbers for procedures:

- PRS Test - Refer to Page 4-9.
- Scan Axis Test - Refer to Page 4-11.
- Cutter test - Refer to Page 4-16.
- Star Wheel Lifter test - Refer to Page 4-7.
- 2. Paper Drive - Refer to Page 4-18.
- 3. Electronics Module - Refer to Page 4-21.
- 4. Carriage Assembly - Refer to Page 4-26.
- 5. Sensors - Refer to Page 4-31.
- 6. Rewinder - Refer to Page 4-34.
- 7. Ink Delivery System (IDS) - Refer to Page 4-36.
- 8. Service Station - Refer to Page 4-42.
- Paper Advance Calibration - Refer to Page 5-6.
- Drop Detector Calibration - Refer to Page 5-12.
- Line Sensor Calibration - Refer to Page 5-15.

Window

Removal

Switch off the printer and remove the power cable.

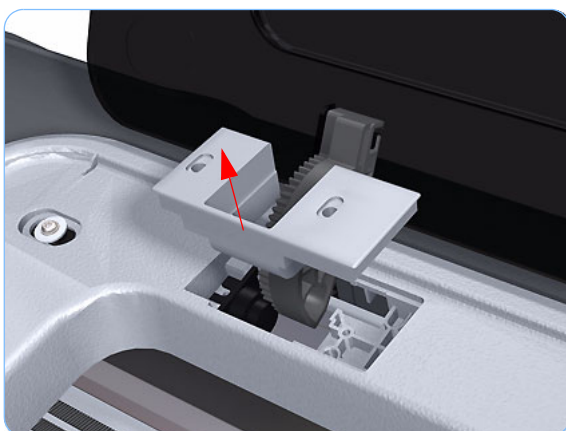
The Window can also be removed with the Top Cover to avoid scratching the Window. To remove the Window with the Top Cover, Refer to Page 8-46.



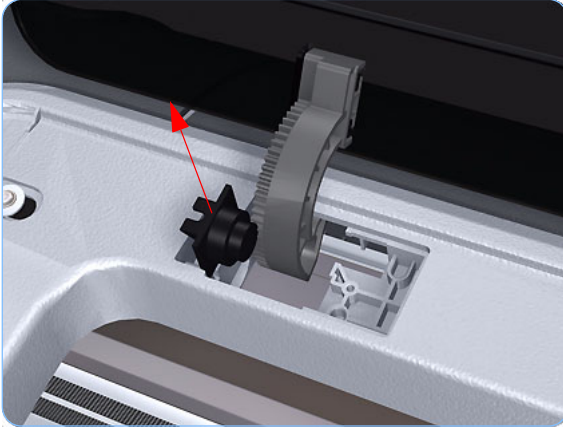
1. Open the Window.



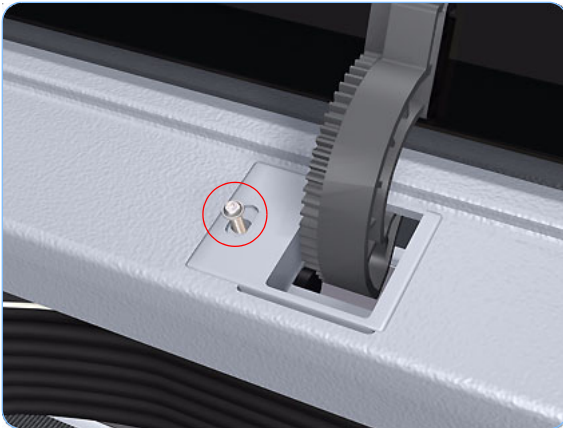
2. Remove the two T-15 screws that secure the left Window hinge locking plate to the Top Cover.



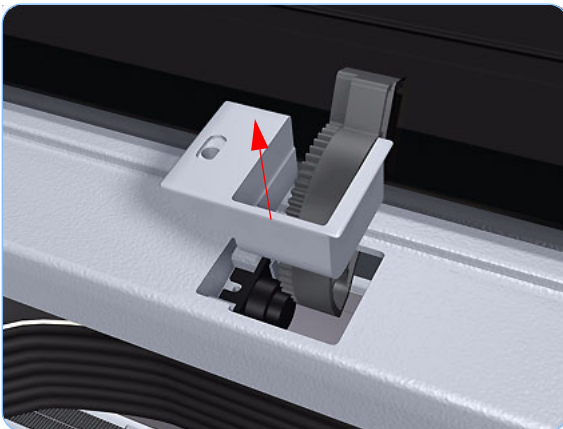
3. Remove the left Window hinge locking plate from the Top Cover.



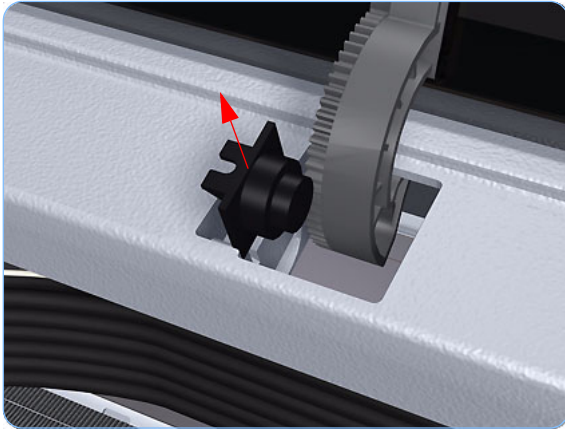
4. Remove the Damper Rotary from the Top Cover.



5. Remove the T-15 screws that secure each of the remaining three Window hinge locking plates to the Top Cover.



6. Remove the remaining three Window hinge locking plates from the Top Cover.



- 7.** Remove the remaining three Damper Rotary pieces from the Top Cover.



- 8.** Grip the Window at the left and right edges and move it horizontally towards the right as far as it will go.



- 9.** Pull the Window towards the front to disengage the hinges.

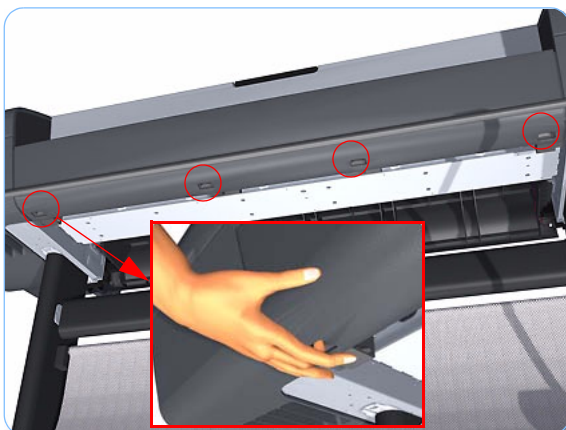


10. Lift the Window vertically out of the printer.

Front Cover

Removal

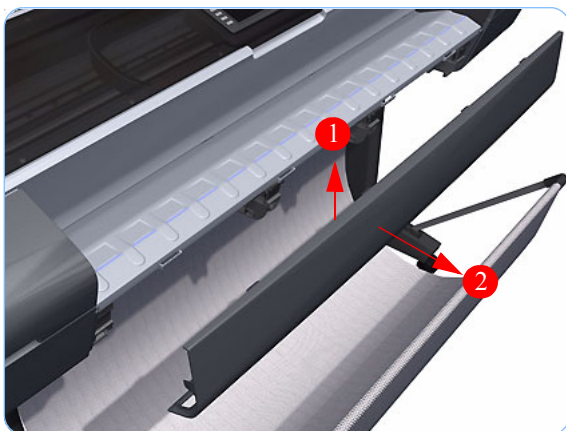
Switch off the printer and remove the power cable.



1. Squeeze each of the four attachment clips under the Front Cover, to release the cover from the printer.



2. Carefully pull the bottom of the Front Cover forwards until you can release it from its attachments.



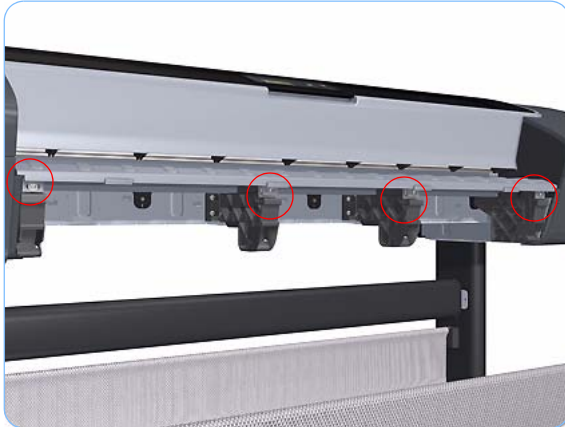
3. Unhook the Front Cover from the four attachments and remove it from the printer.

Media Output Assembly

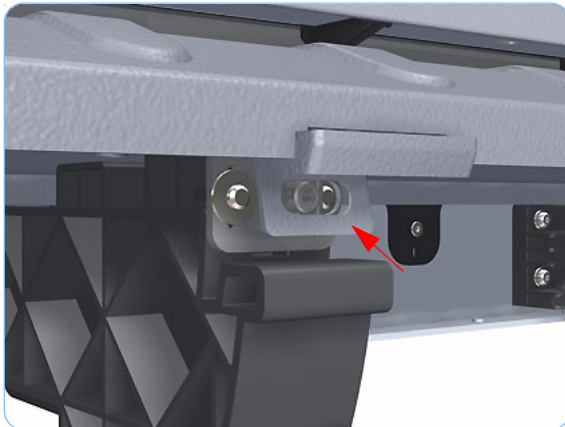
Removal

Switch off the printer and remove the power cable.

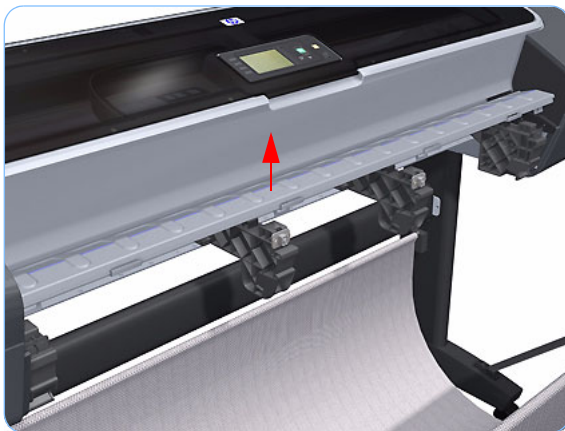
1. Remove the Front Cover (refer to page 8-12).
2. Remove four T-15 screws that secure the Media Output Assembly to the printer.



3. Release the four attachment clips.



4. Lift the front of the Media Output Assembly.





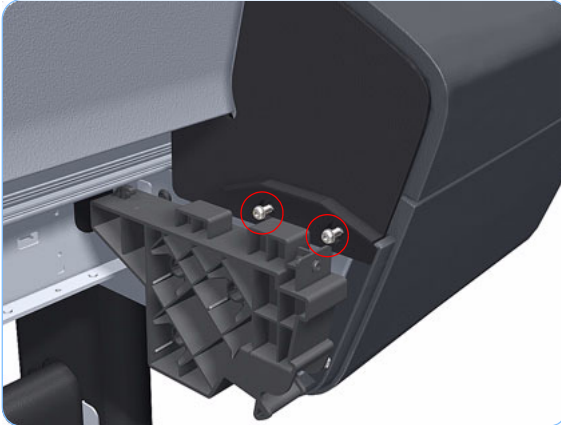
5. Slide the Media Output Assembly forwards out of the printer.

Right Front Trim

Removal

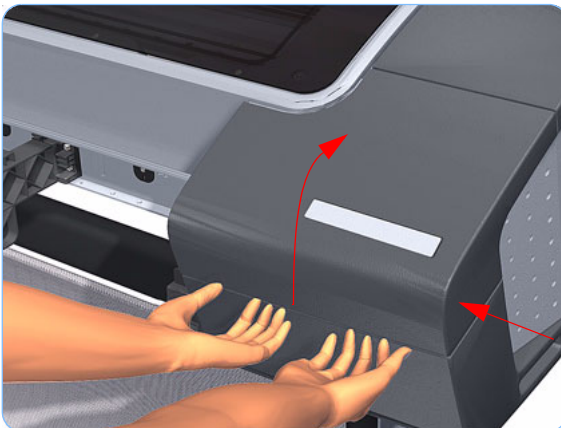
Switch off the printer and remove the power cable.

1. Remove the Front Cover (refer to page 8-12).
2. Remove the Media Output Assembly (refer to page 8-13).
3. Remove two T-15 screws that secure the Right Front Trim to the printer.

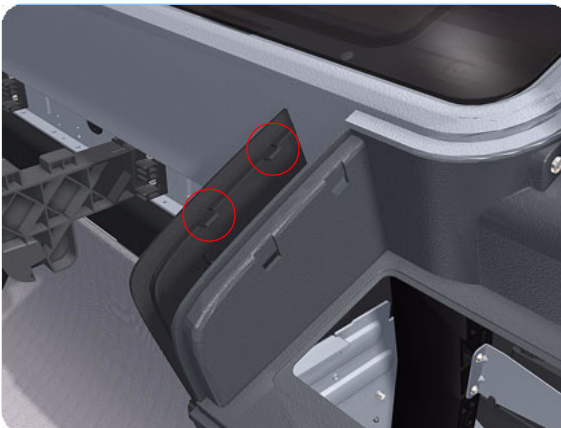


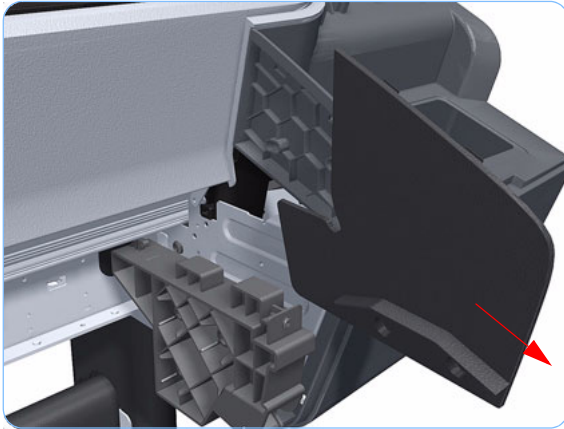
4. Open the Right Ink Cartridge Door by applying **sharp pressure** to the right side of the door and lifting **firmly** where the door meets the Right Cover. Use your hands. When the door is unclipped from the pressure applied to the right side of the door, you will hear a sound that corresponds to the clip.

Do NOT use a screwdriver or other tool to open the Right Ink Cartridge Door.



5. Unclip the Right Front Trim.





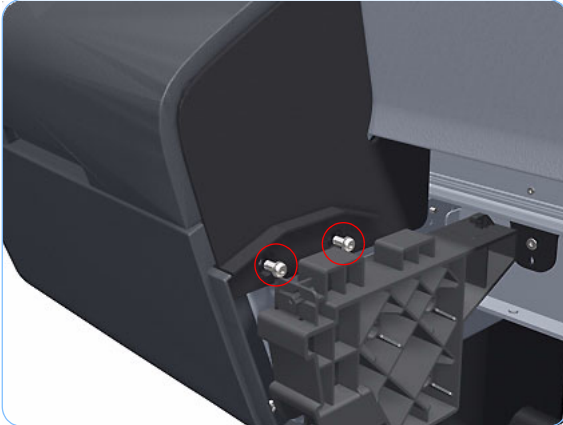
6. Remove Right Front Trim from the printer.

Left Front Trim

Removal

Switch off the printer and remove the power cable.

1. Remove the Front Cover (refer to page 8-12).
2. Remove the Media Output Assembly (refer to page 8-13).
3. Remove two T-15 screws that secure the Left Front Trim to the printer.

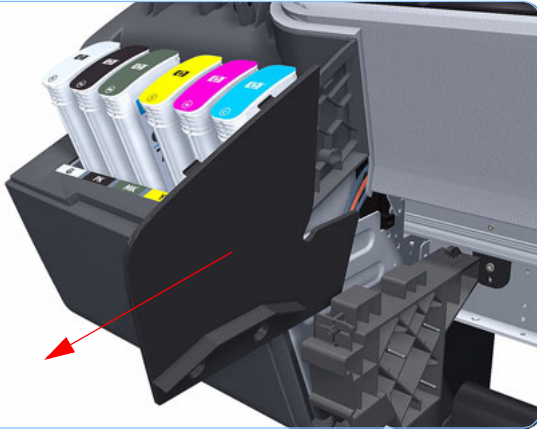


4. Open the Left Ink Cartridge Door.



5. Unclip the Left Front Trim.



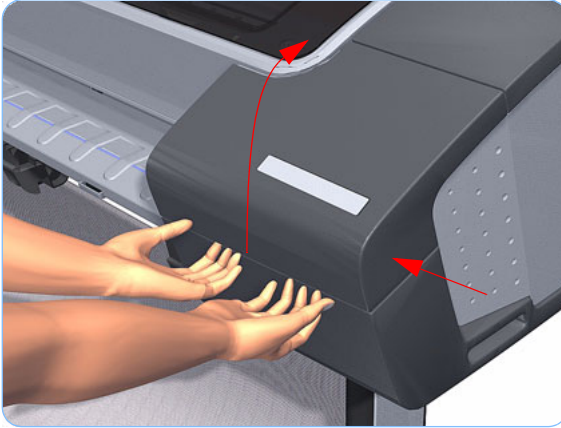


- 6.** Remove Left Front Trim from the printer.

Right Ink Cartridge Door

Removal

Switch off the printer and remove the power cable.



1. Open the Right Ink Cartridge Door by applying **sharp pressure** to the right side of the door and lifting **firmly** where the door meets the Right Cover. Use your hands. When the door is unclipped from the pressure applied to the right side of the door, you will hear a sound that corresponds to the clip.

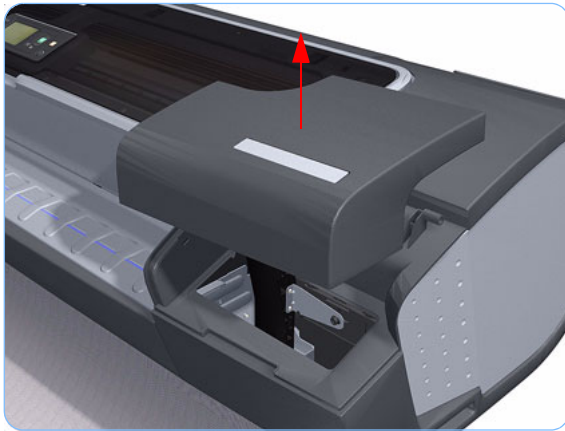
Do NOT use a screwdriver or other tool to open the Right Ink Cartridge Door.



2. Unclip the right side of the Right Ink Cartridge Door.



3. Unclip the left side of the Right Ink Cartridge Door.



- 4.** Remove the Right Ink Cartridge Door.

Left Ink Cartridge Door

Removal

Switch off the printer and remove the power cable.

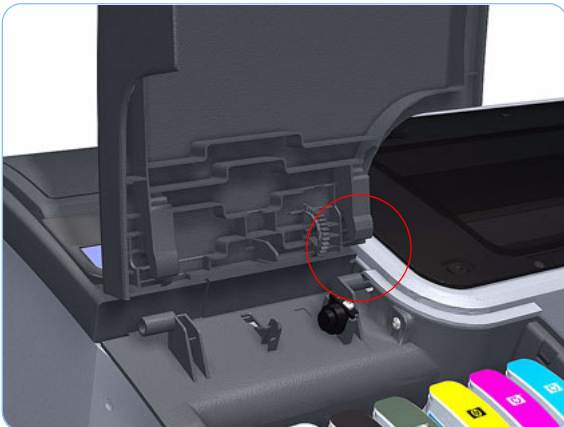
1. Open the Left Ink Cartridge Door.



2. Unclip the left side of the Left Ink Cartridge Door.



3. Unclip the right side of the Left Ink Cartridge Door.





4. Remove the Left Ink Cartridge Door.

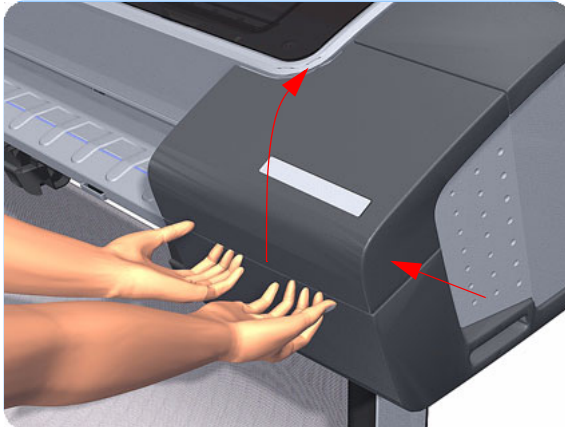
Right Cover

Removal

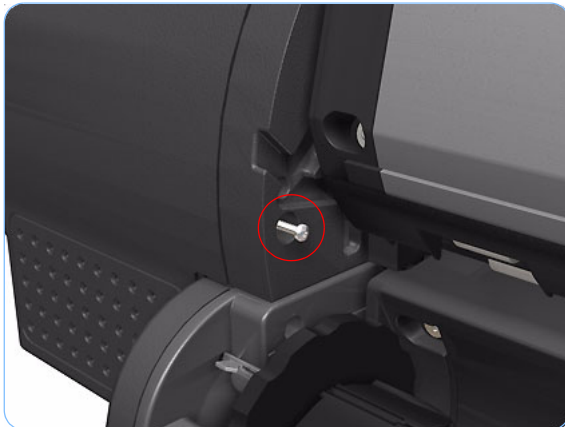
Switch off the printer and remove the power cable.

1. Remove the Front Cover (refer to page 8-12).
2. Open the Right Ink Cartridge Door by applying **sharp pressure** to the right side of the door and lifting **firmly** where the door meets the Right Cover. Use your hands. When the door is unclipped from the pressure applied to the right side of the door, you will hear a sound that corresponds to the clip.

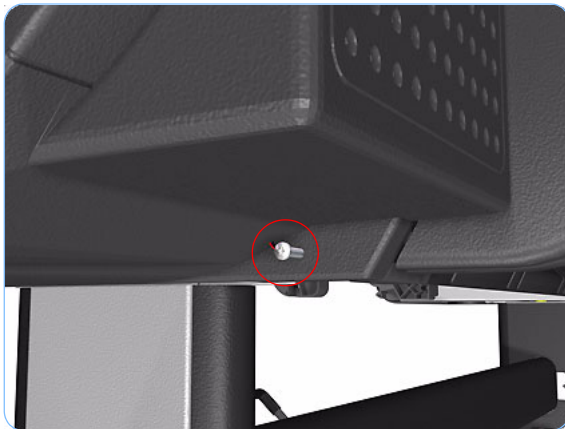
Do NOT use a screwdriver or other tool to open the Right Ink Cartridge Door.

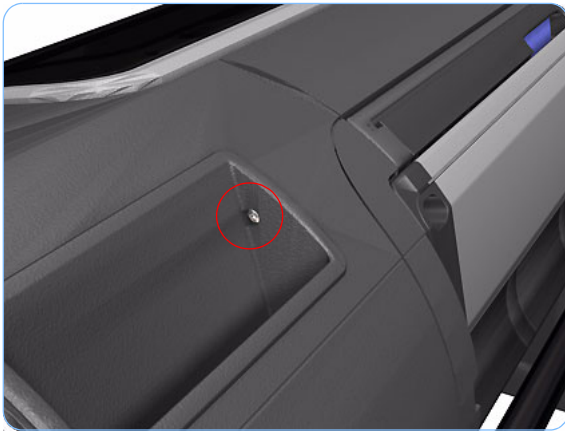


3. Remove one T-15 screw that secures the Right Cover to the printer (at the rear of the Printer).

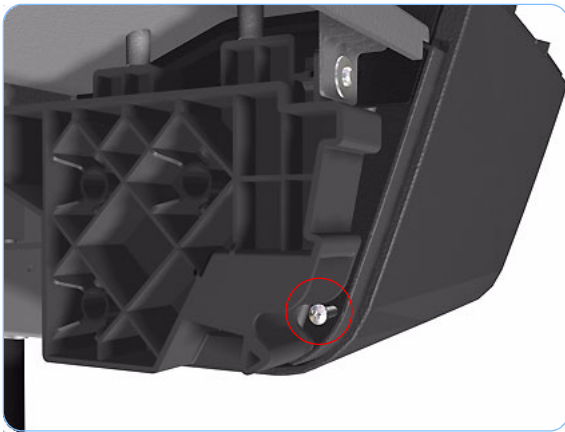


4. Remove one T-15 screw that secures the Right Cover to the printer (at the rear of the Printer).

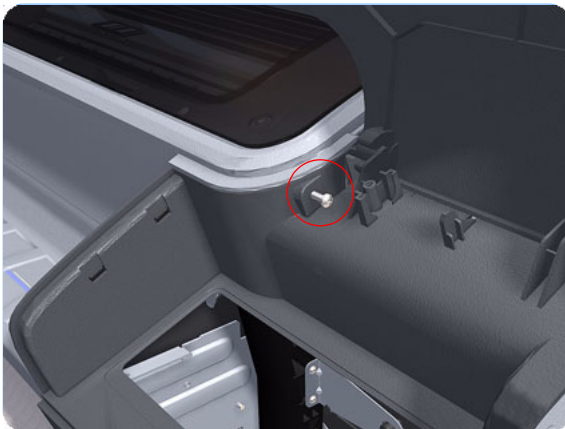




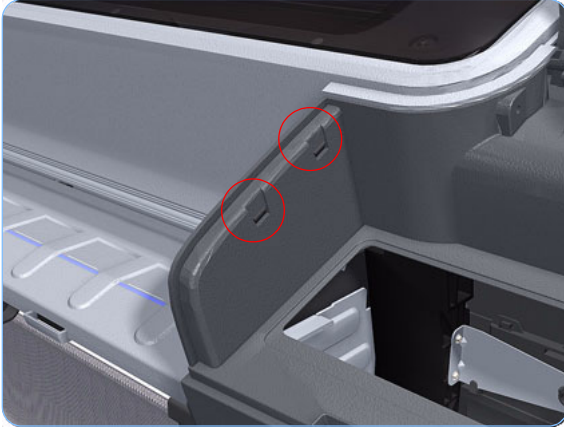
- 5.** Remove one T-15 screw that secures the Right Cover to the printer (at the rear of the printer).



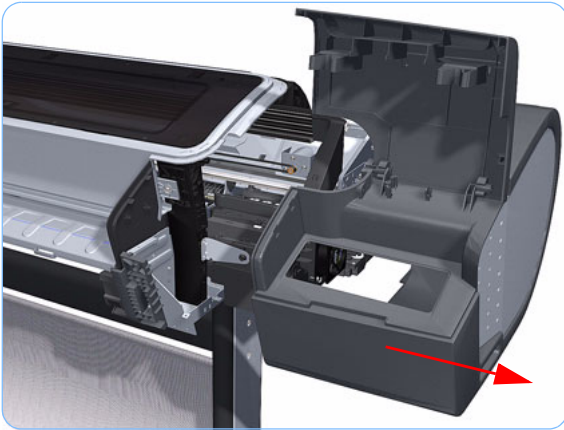
- 6.** Remove one T-15 screw that secures the Right Cover to the printer (accessible under the Front Cover).



- 7.** Remove one T-15 screw that secures the Right Cover to the printer.



8. Unclip the Right Trim.



9. Remove the Right Cover from the printer.

Left Cover

Removal

Switch off the printer and remove the power cable.

1. Remove the Front Cover (refer to page 8-12)
2. Open the Ink Cartridge Door.

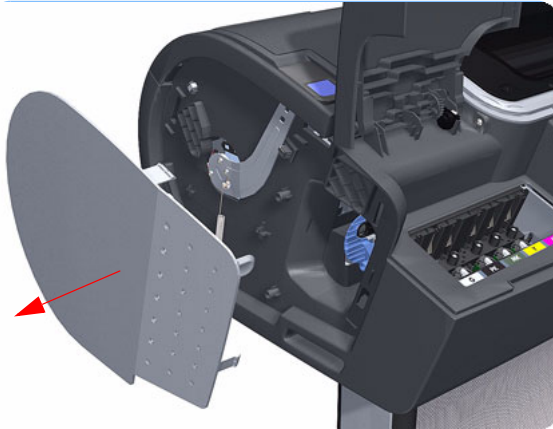


3. Remove the Ink Cartridges from the Printer. The illustration shows the T1100 which has six Ink Cartridges.

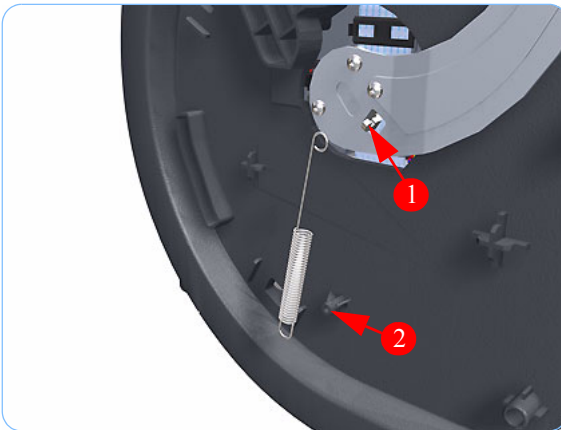


4. Press the clip to release the Left Cover Finishing Panel.

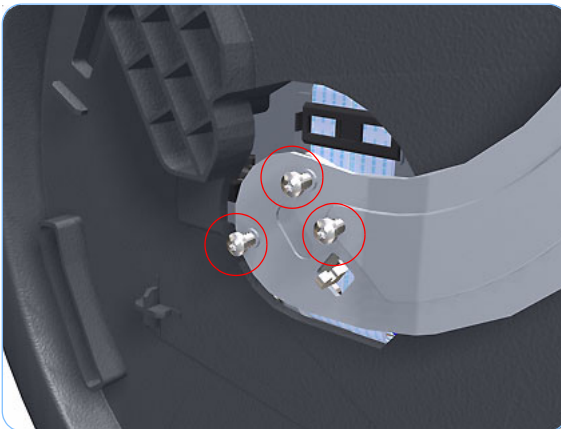




5. Remove the Left Cover Finishing Panel.



6. Unclip the spring from the attachment points on the Media Lever and Left Cover.



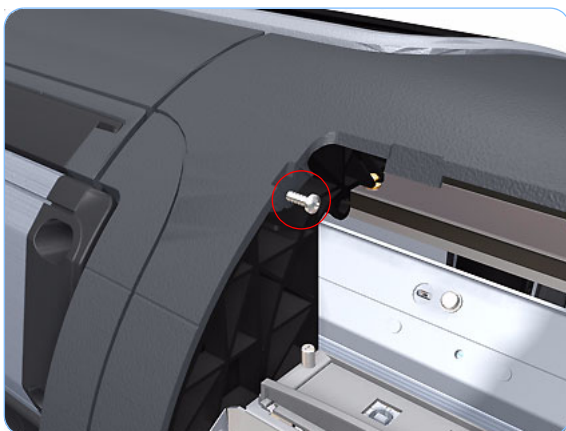
7. Remove three T-15 screws that secure the Media Lever.



- 8.** Use a flat bladed screwdriver to unclip the two attachment clips of the Formatter Housing.



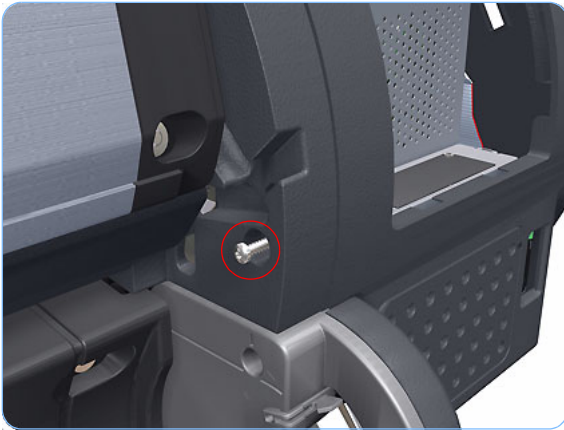
- 9.** Lift the Formatter Housing out of the printer.



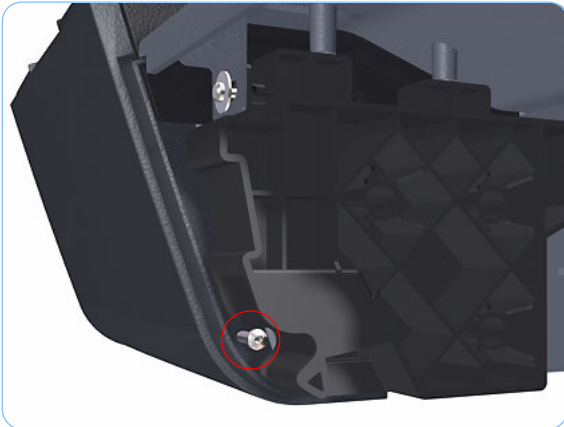
- 10.** Remove one T-15 screw that secures the Left Cover (top rear, accessible under the Formatter Housing).



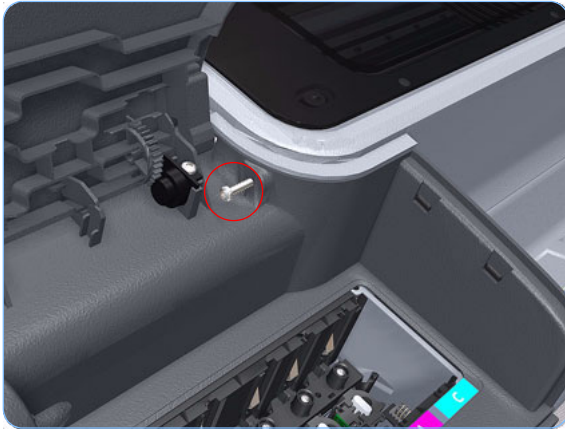
- 11.** Remove one T-15 screw that secures the Left Cover (bottom rear).



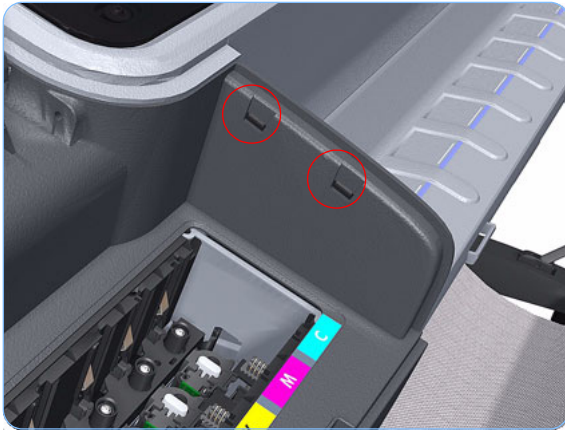
- 12.** Remove one T-15 screw that secures the Left Cover (bottom rear).



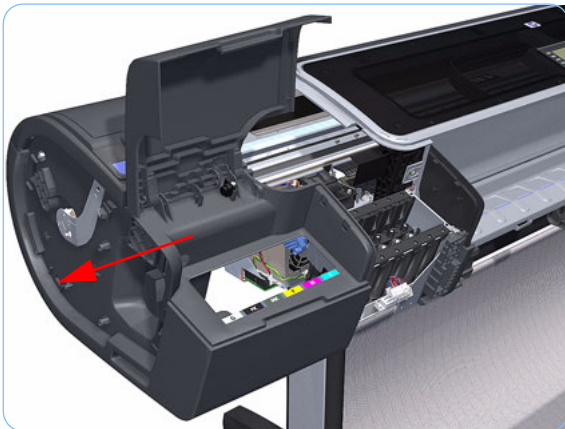
- 13.** Remove one T-15 screw that secures the Left Cover (bottom front, accessible under Front Cover).



- 14.** Remove one T-15 screw that secures the Left Cover (top front, accessible Ink Cartridge Door).



- 15.** Unclip the Left Trim.



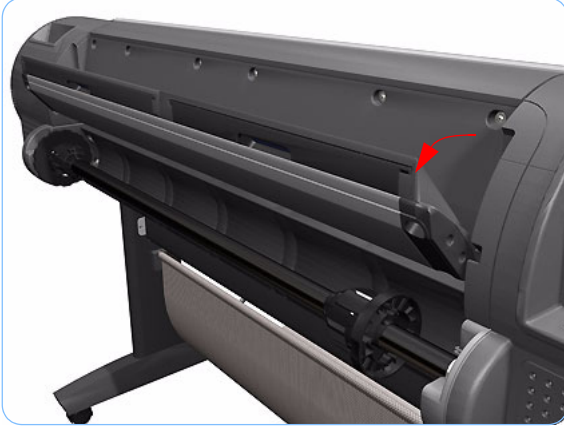
- 16.** Remove the Left Cover from the Printer.

Rear Tray

Removal

Switch off the printer and remove the power cable.

1. Open the Rear Tray to approximately 10 degrees less than the fully open position.



2. Lift the Rear Tray vertically enough (approximately 20 mm) to allow the rear attachment lugs to be out of the locked position.



3. Carefully slide the Rear Tray out of the printer.



Rear Cover

Removal

Switch off the printer and remove the power cable.

1. Remove the Rear Tray (refer to page 8-31).
2. Remove the Right Cover (refer to page 8-23).
3. Remove the Left Cover (refer to page 8-26).
4. Remove ten T-15 screws that secure the Rear Cover to the printer.



5. Remove the Rear Cover from the printer.

Media Lever

Removal

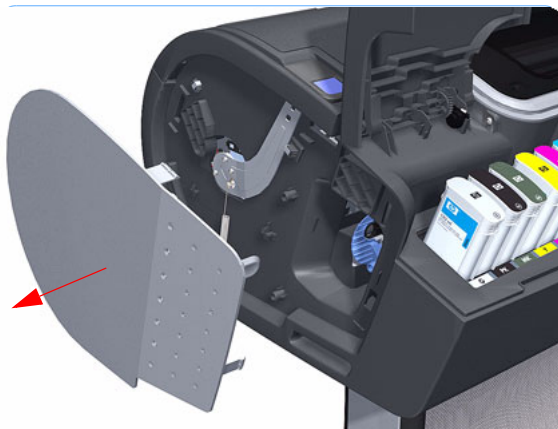
Switch off the printer and remove the power cable.



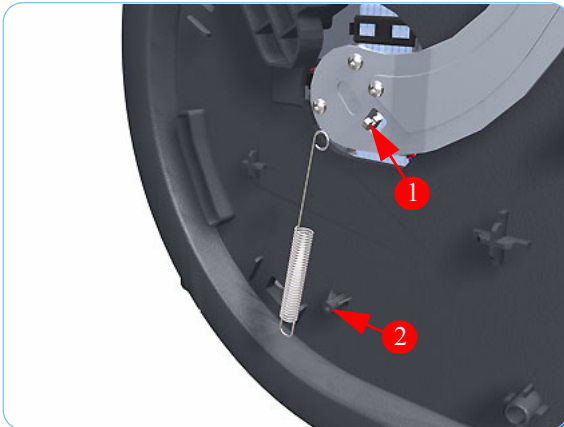
1. Open the Ink Cartridge Door.



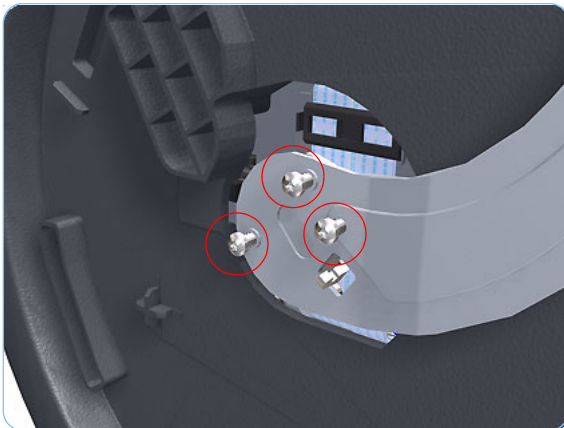
2. Press the clip to release the Left Cover Finishing Panel.



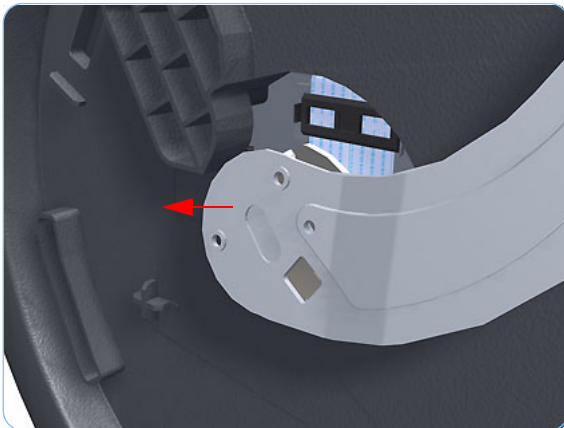
3. Remove the Left Cover Finishing Panel.



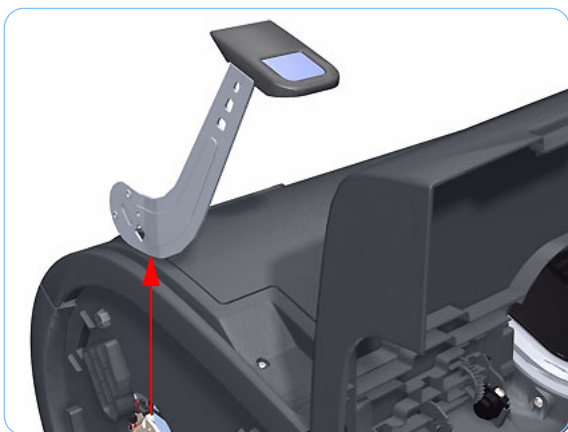
- 4.** Unclip the spring from the attachment points on the Media Lever and Left Cover.



- 5.** Remove three T-15 screws that secure the Media Lever.



- 6.** Lift the Media Lever of the mounting.



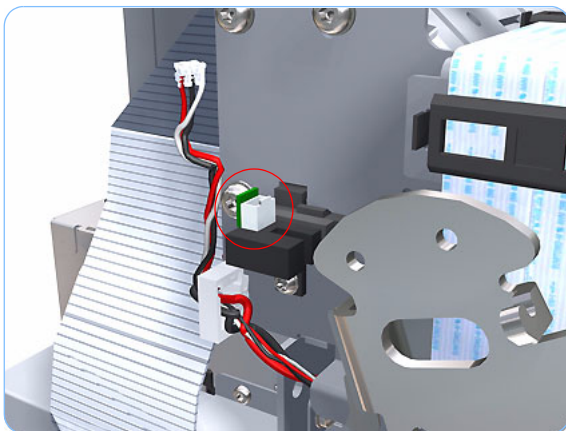
- 7.** Remove the Media Lever from the printer.

Media Lever Position Sensor

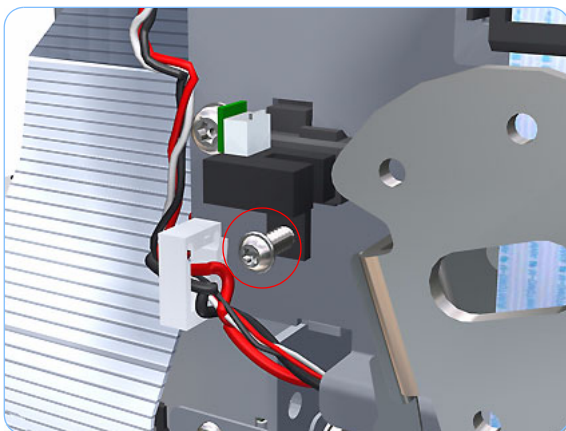
Removal

Switch off the printer and remove the power cable.

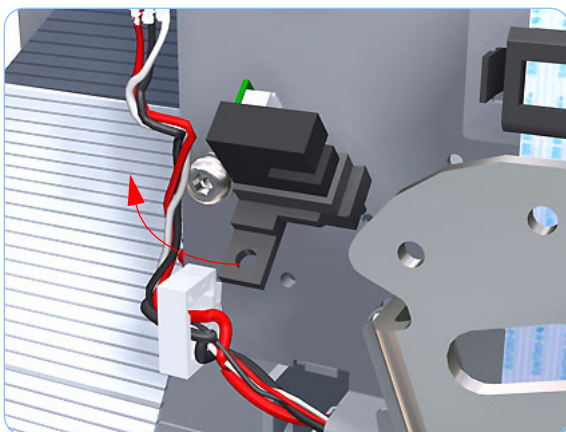
1. Raise the Media Lever.
2. Remove the Left Cover (refer to page 8-26).
3. Disconnect the Media Lever Position Sensor.

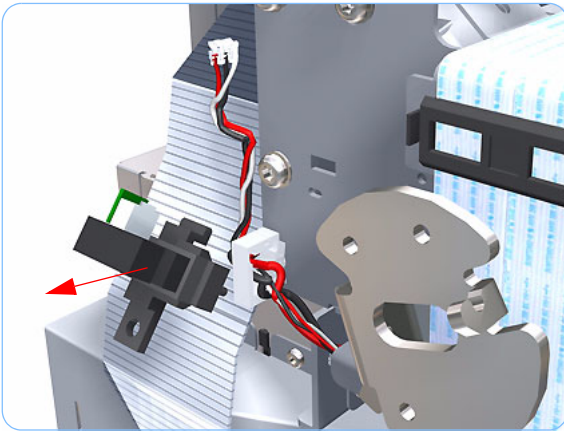


4. Remove one T-15 screw that secures the Media Lever Position Sensor to the Scan Side Panel.



5. Rotate the Media Lever Position Sensor vertically to disengage the attachment lug from the Scan Side Panel.





6. Remove the Media Lever Position Sensor.

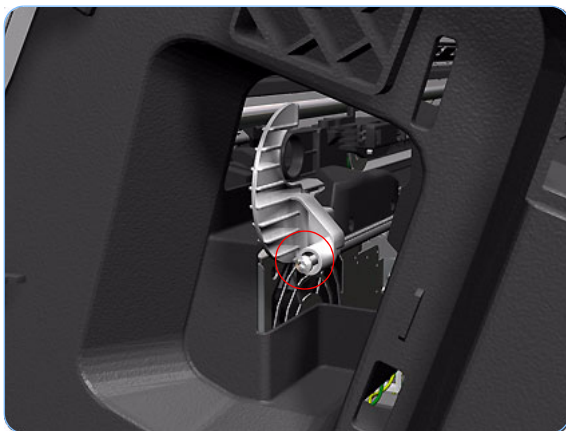
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Cutter Assembly

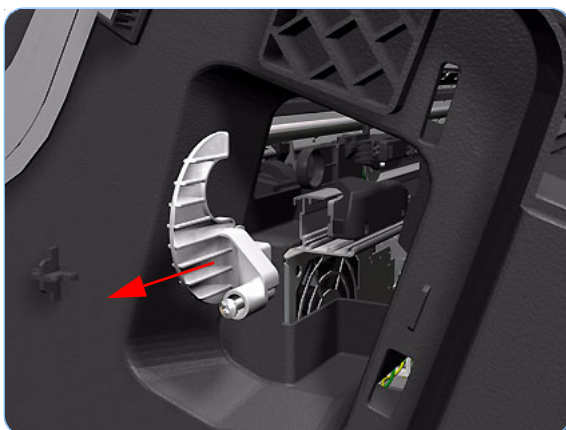
Removal

Switch off the printer and remove the power cable.

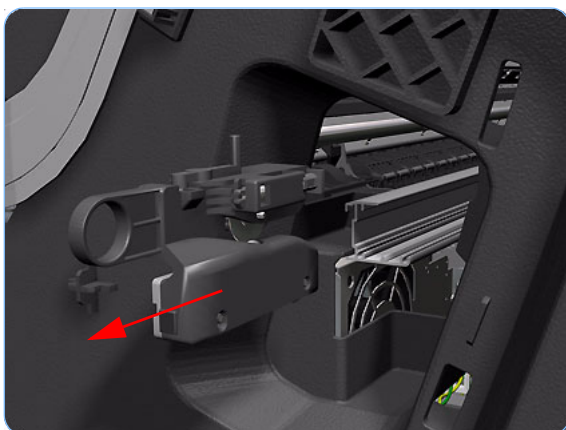
1. Remove the Left Cover Finishing Panel (refer to step 4 of the Left Cover removal procedure on page 8-26).
2. Fully loosen the cutter rail end cap attachment screw.



3. Remove the cutter rail end cap.



Slide the Cutter Assembly out of the printer.



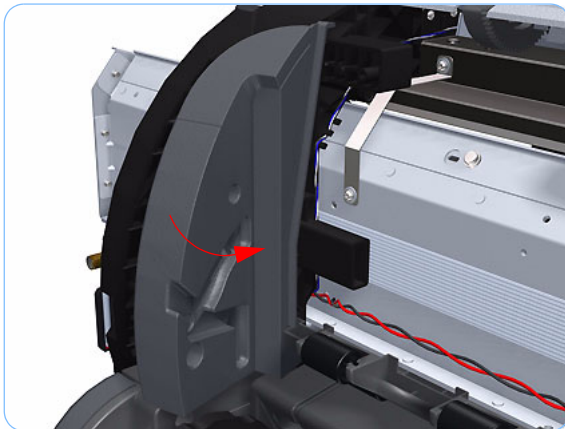
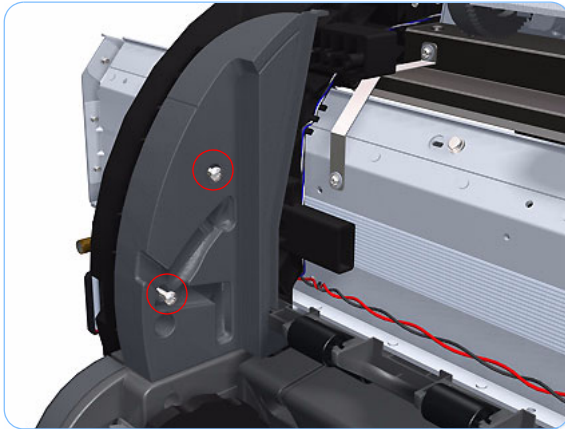
When you install the new Cutter Assembly, follow the installation instructions provided with the new Cutter Assembly

Right Rear Tray Support

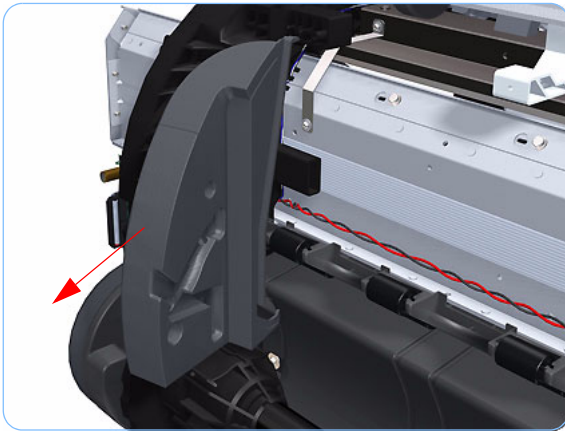
Removal

Switch off the printer and remove the power cable.

1. Remove the Rear Tray (refer to page 8-31).
2. Remove the Right Cover (refer to page 8-23).
3. Remove the Left Cover (refer to page 8-26).
4. Remove the Rear Cover (refer to page 8-32).
5. Remove two T-15 screws that secure the Right Rear Tray Support to the printer.



6. Rotate the Right Rear Tray Support counterclockwise approximately 30 degrees.



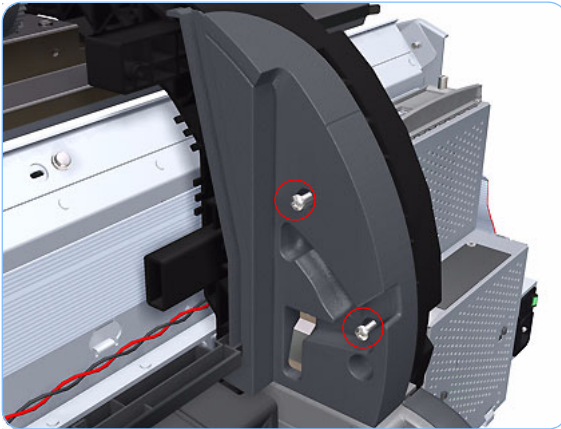
- 7.** Remove the Right Rear Tray Support from the printer.

Left Rear Tray Support

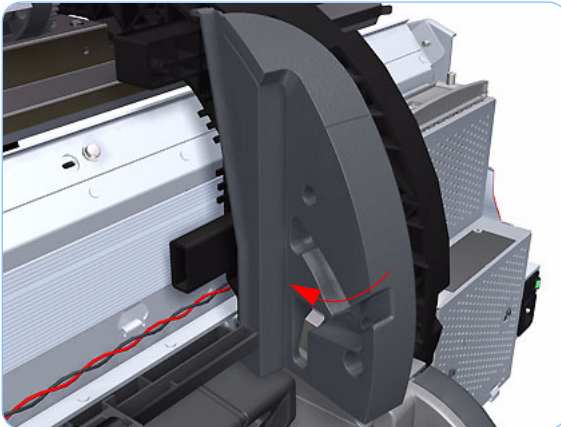
Removal

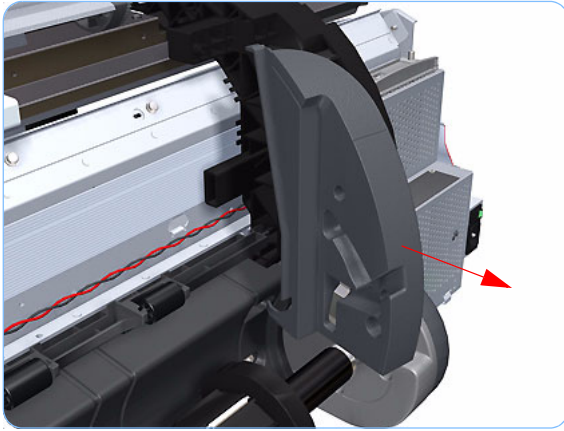
Switch off the printer and remove the power cable.

1. Remove the Rear Tray (refer to page 8-31).
2. Remove the Right Cover (refer to page 8-23).
3. Remove the Left Cover (refer to page 8-26).
4. Remove the Rear Cover (refer to page 8-32).
5. Remove two T-15 screws that secure the Left Rear Tray Support to the printer.



6. Rotate the Left Rear Tray Support clockwise approximately 30 degrees.





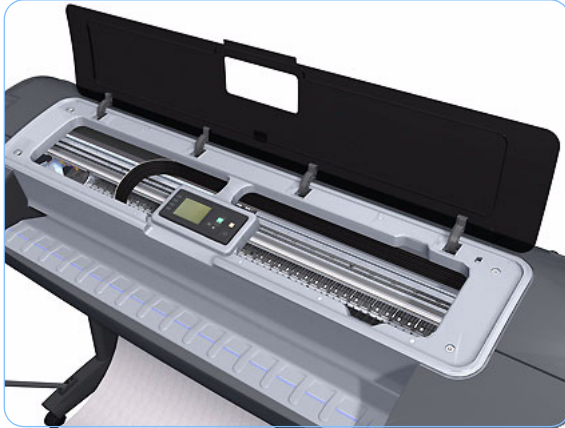
- 7.** Remove the Left Rear Tray Support from the printer.

Front Panel

Removal

Switch off the printer and remove the power cable.

1. Open the Window.

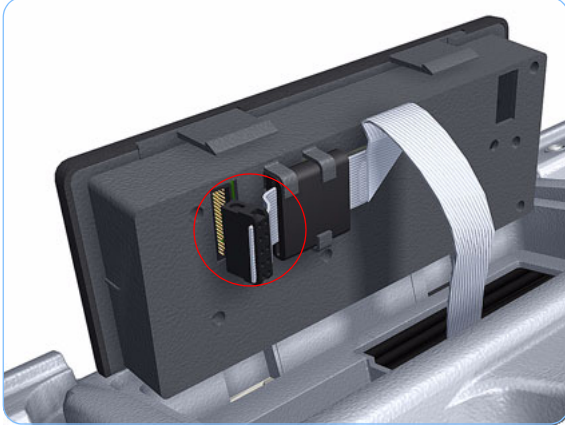


2. With strong pressure, squeeze the top edge of the front panel enough to release the attachment clips, and begin rotating the Front Panel vertically in the next step.

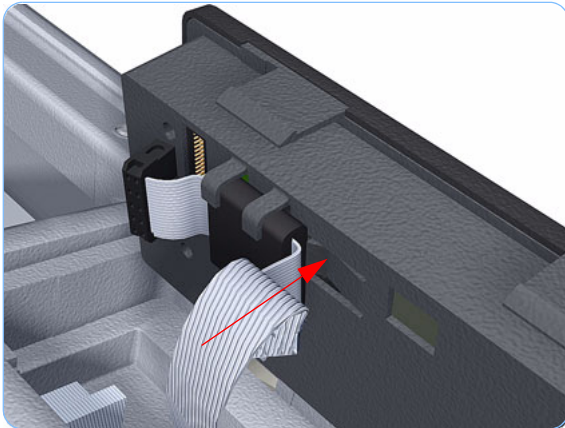


3. Rotate the front panel vertically.

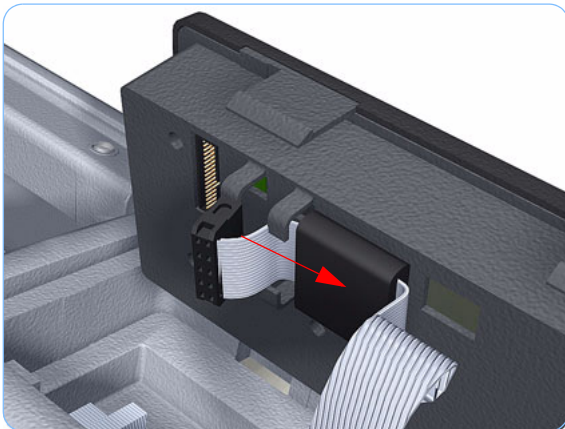




- 4.** Disconnect the interface cable from the Front Panel.



- 5.** Push in the clip that prevents the Ferrite Core from being removed.



- 6.** Slide the Ferrite Core out of the brackets.

**7. Remove the Front Panel.**

When you reinstall the Front Panel, you must make sure that the Ferrite Core is correctly positioned. The Ferrite Core is necessary to avoid electrostatic interference being generated.

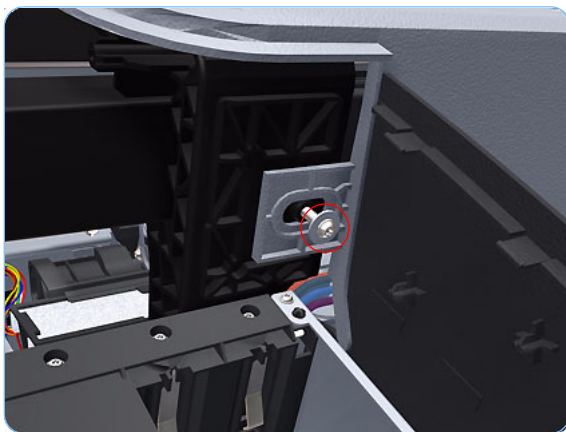
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Top Cover

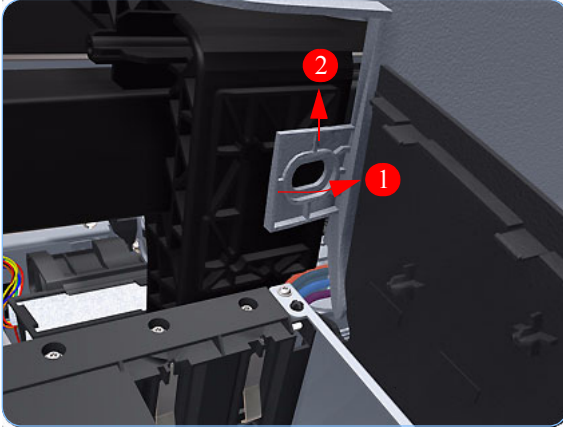
Removal

Switch off the printer and remove the power cable.

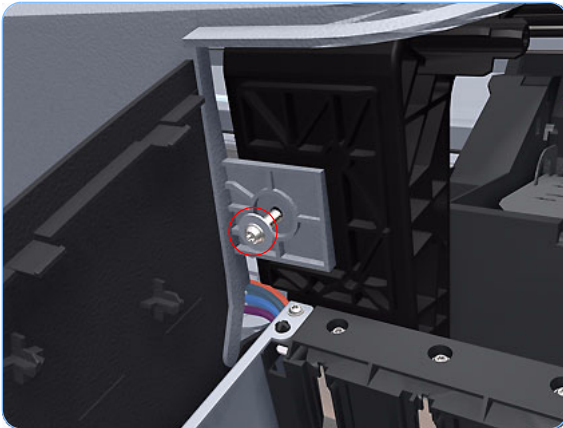
1. Remove the Window (refer to page 8-8).
2. Remove the Right Cover (refer to page 8-23).
3. Remove the Left Cover (refer to page 8-26).
4. Remove the Rear Tray (refer to page 8-31).
5. Remove the Rear Cover (refer to page 8-32).
6. Remove the Front Panel (refer to page 8-43).
7. Remove the four T-15 top screws that secure the Top Cover to the printer.



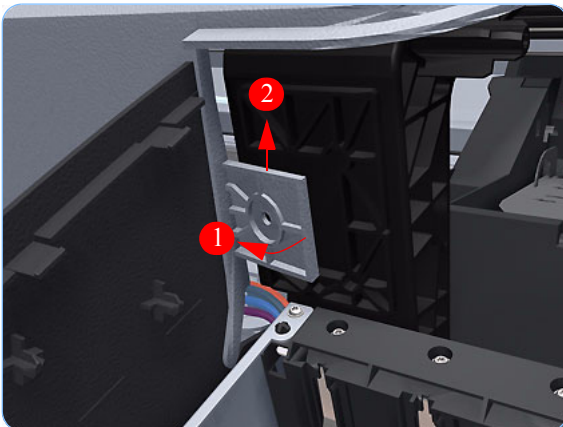
8. Remove the front T-15 screw that secures the front left side of the Top Cover to the printer.



9. Carefully pull the attachment clip forward until you can lift the bottom left corner of the Top Cover approximately 10 mm.



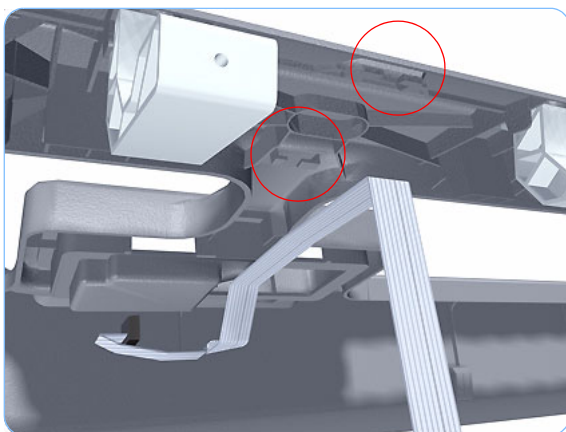
10. Remove the front T-15 screw that secures the front left side of the Top Cover to the printer.



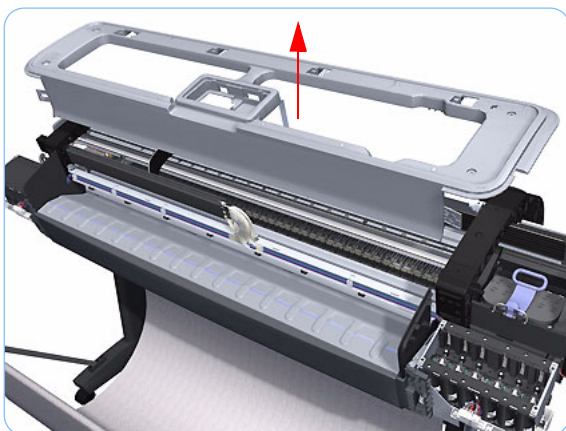
11. Carefully pull the attachment clip forward until you can lift the bottom left corner of the Top Cover approximately 10 mm.



12. Lift the Top Cover of the printer sufficiently to gain access to the Front Panel ribbon cable.



13. Unroute the Front Panel ribbon cable from the two cable clamps on the bottom surface of the Top Cover.



14. Lift the Top Cover off the printer.

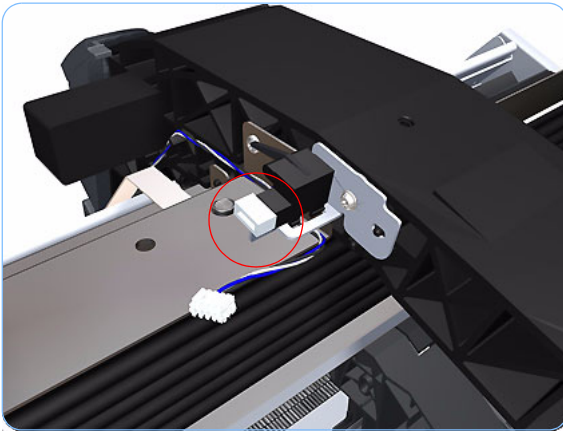
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Window Position Sensor

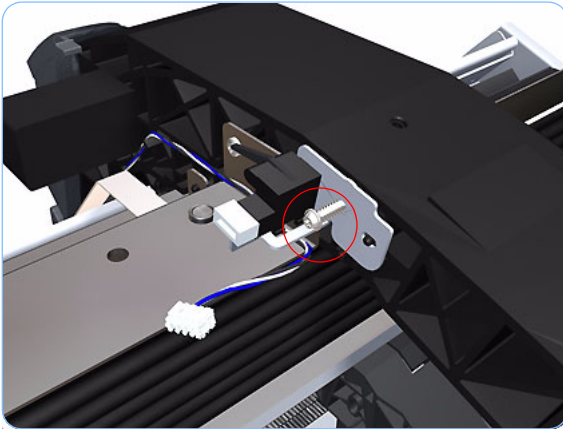
Removal

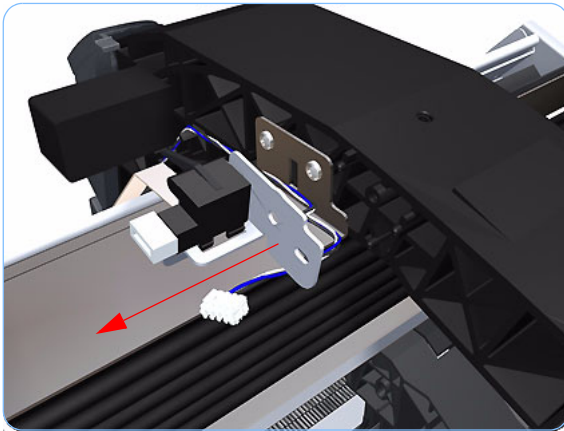
Switch off the printer and remove the power cable.

1. Remove the Right Cover (refer to page 8-23).
2. Remove the Left Cover (refer to page 8-26).
3. Remove the Front Panel (refer to page 8-43).
4. Remove the Top Cover (refer to page 8-46).
5. Disconnect the Window Position Sensor.



6. Remove one T-15 screw that secures the Window Position Sensor to the printer.





7. Remove the Window Position Sensor to the printer.

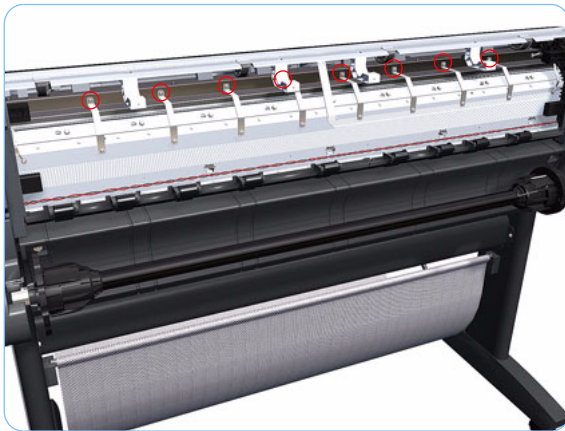
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Ink Supply Tubes Support Rail

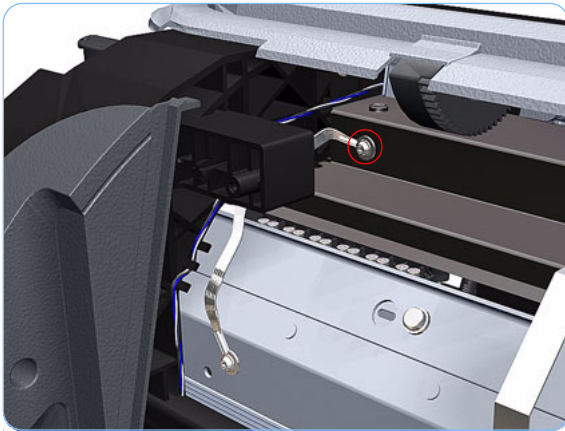
Removal

Switch off the printer and remove the power cable.

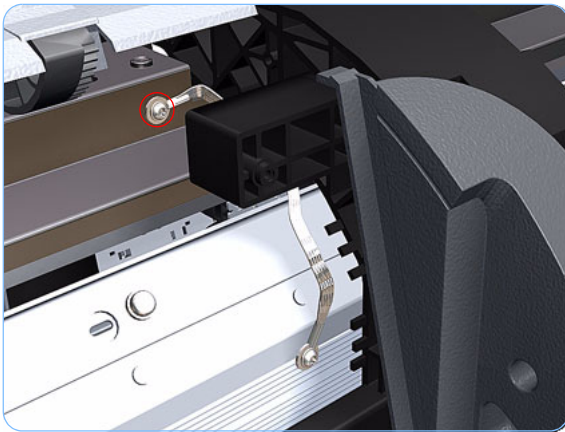
1. Remove the Right Cover (refer to page 8-23).
2. Remove the Left Cover (refer to page 8-26).
3. Remove the Front Panel (refer to page 8-43).
4. Remove the Top Cover (refer to page 8-46).
5. Remove the Window Position Sensor (refer to page 8-49).
6. Remove the Ink Supply Tubes from the Ink Supply Tubes Support Rail.



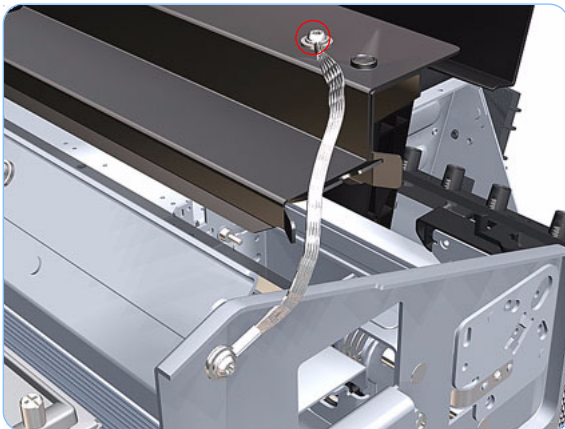
7. Remove the T-15 screws that secure the rear attachment brackets to the Ink Supply Tubes Support Rail.



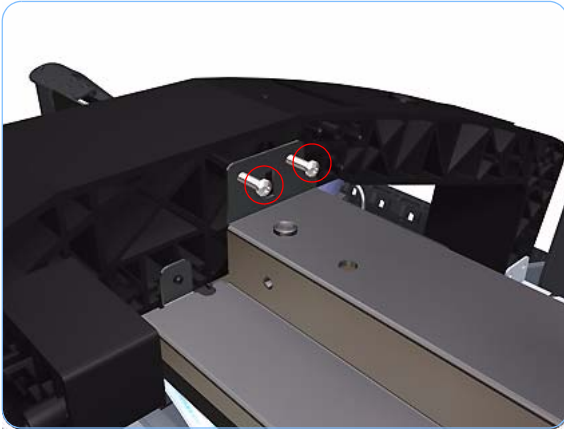
- 8.** Remove the T-15 screw that attaches the right bonding cable.



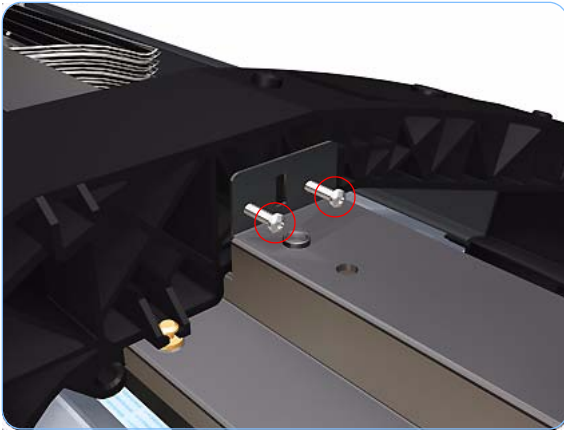
- 9.** Remove the T-15 screw that attaches the left bonding cable.



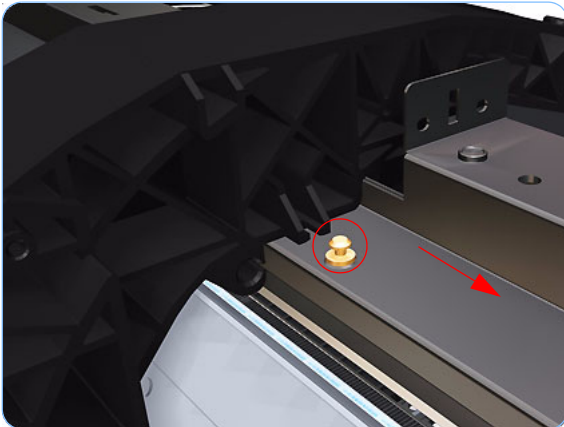
- 10.** Remove the T-15 screw that attaches the left bonding cable.



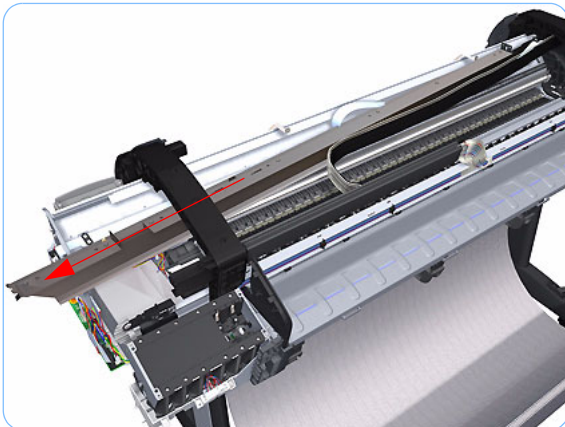
- 11.** Remove two T-15 screws that secure the Ink Supply Tubes Support Rail to the right Top Cover Support.



- 12.** Remove two T-15 screws that secure the Ink Supply Tubes Support Rail to the left Top Cover Support.



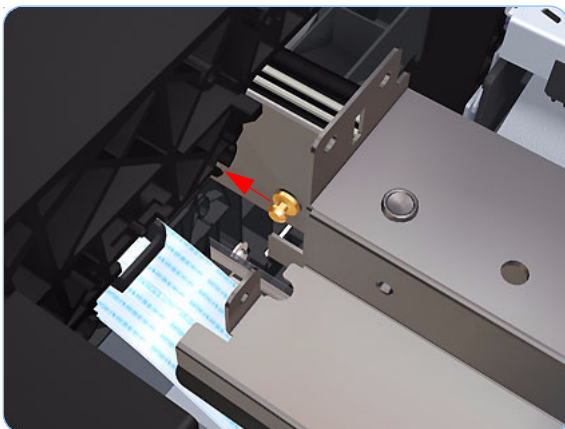
- 13.** Slide the rail to the enough to disengage it from the attachment lug.



- 14.** Carefully slide the Ink Supply Tubes Support Rail to the left until the right end is clear of the right Top Cover Support.



- 15.** Remove the Ink Supply Tubes Support Rail from the printer.



When you reinstall the Ink Supply Tubes Support Rail make sure that the attachment lug is correctly engaged with the right Top Cover Support.

When you reinstall the Ink Supply Tubes Support Rail make sure all the attachment brackets and bonding leads are correctly connected. These are important to avoid electrostatic interference being generated.

When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Service Station

Removal

Switch off the printer and remove the power cable.

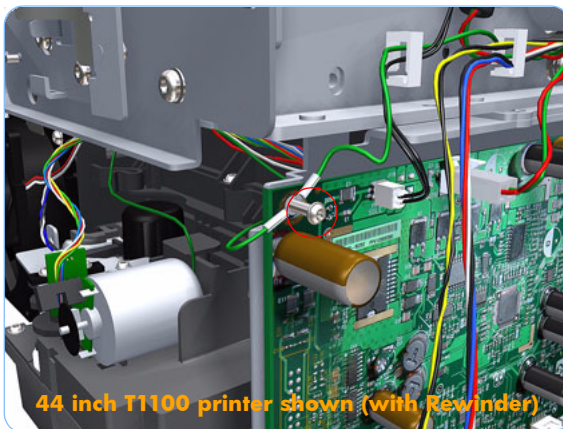
1. Remove the Right Cover (refer to page 8-23).
2. Disconnect the two lower connectors from the PrintMech PCA.

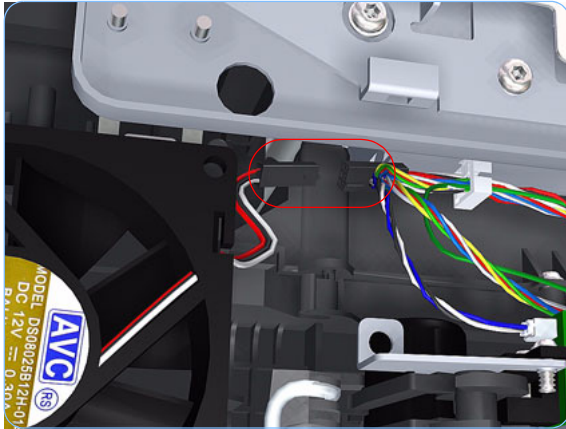


3. Unroute the two cables disconnected in step 2 from the two cable clamps below the PrintMech PCA.

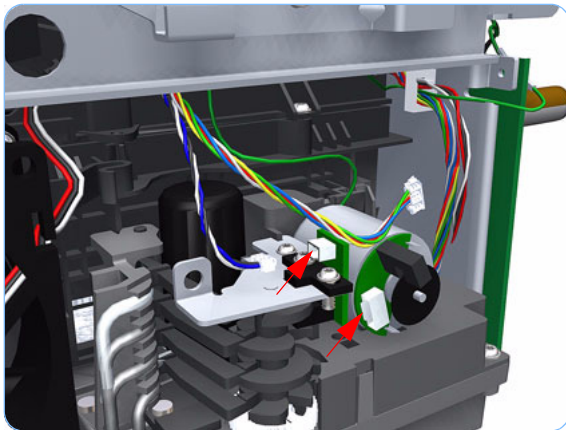


4. Remove the grounding cable attachment screw from the PrintMech PCA.

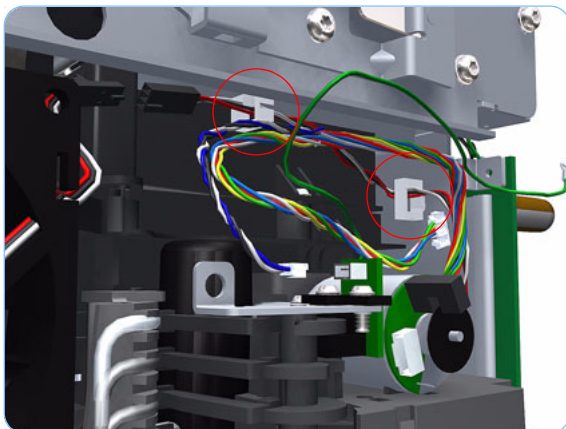




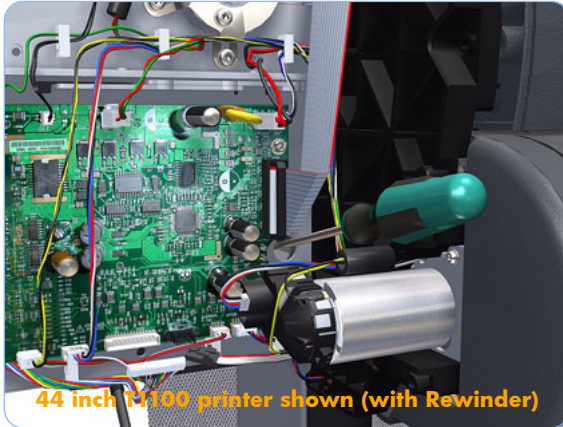
- 5.** Disconnect the Aerosol Fan Assembly inline connector.



- 6.** Disconnect connector from the Drop Detector Motor and Drop Detector Sensor.

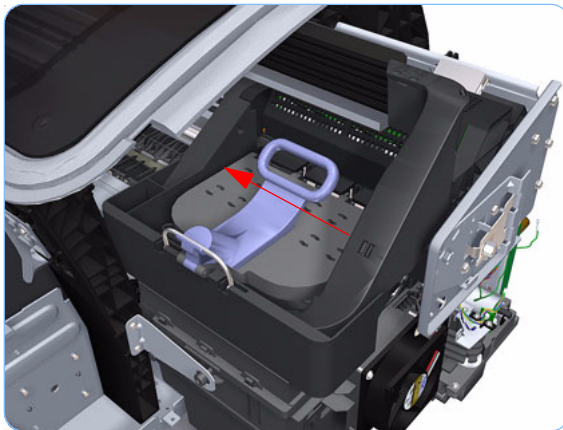


- 7.** Unroute the cables disconnected in steps 4 and 6 from the two cable clamps.



8. Loosen the T-10 uncapping screw sufficiently so you can manually move the Carriage Assembly in step 9.

If you are uncapping a 44 inch printer, you will need to use either a very long or very short screwdriver to loosen the uncapping screw. In this way, you can loosen the screw and pass the rewinder motor.

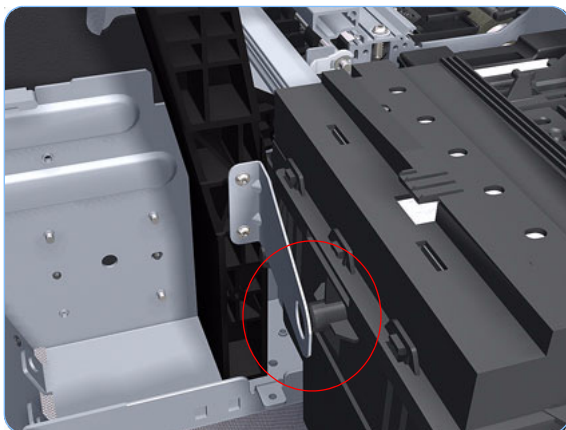


9. Push the Carriage Assembly into the print path to gain access to two T-15 screws that secure the Service Station to the Carriage Rail.

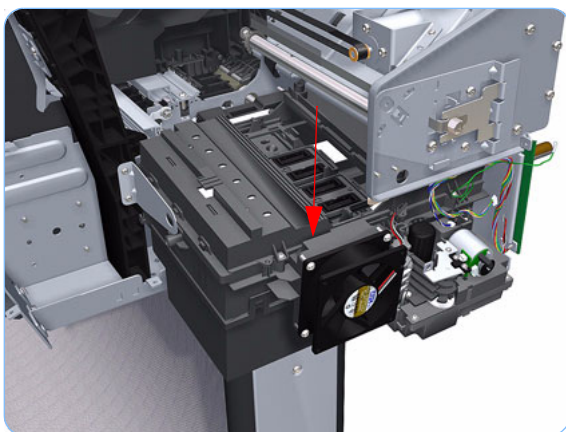


10. Remove the two allen screws that secure the Service Station to the Carriage Rail. To avoid damaging the Encoder Strip, you can use a standard screwdriver.

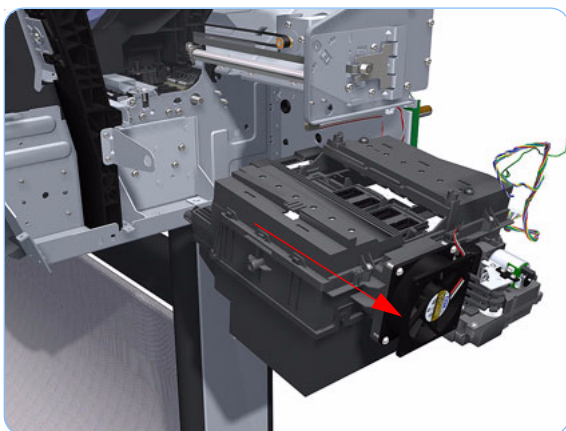
Support the Service Station so it does not fall when you remove the attachment screws.



11. Unclip the clip to release the Service Station from the printer.



12. Lower the Service Station until you can slide it carefully from the printer.



13. Carefully slide the Service Station from the printer.

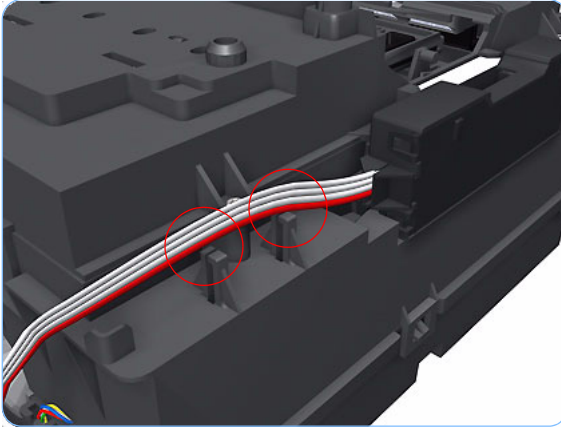
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Drop Detector

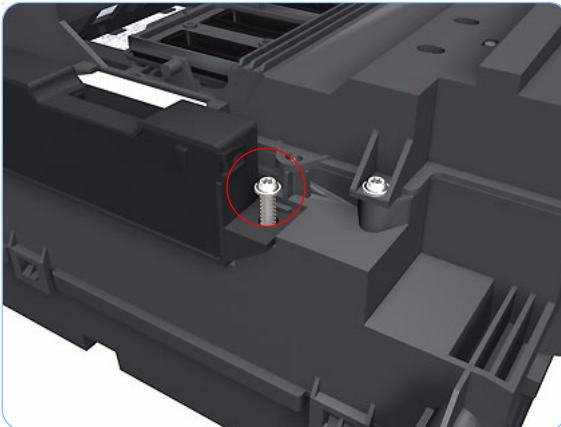
Removal

Switch off the printer and remove the power cable.

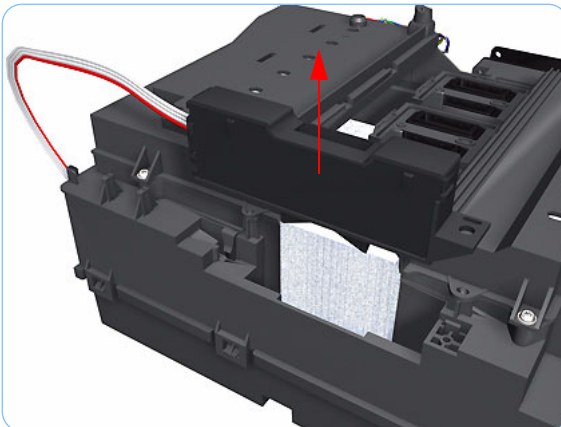
1. Remove the Right Cover (refer to page 8-23).
2. Remove the Service Station (refer to page 8-55).
3. Unroute the Drop Detector ribbon cable from the Service Station cable clamps.



4. Remove the T-15 screw that secures the Drop Detector to the Service Station.



5. Lift the Drop Detector off the Service Station.



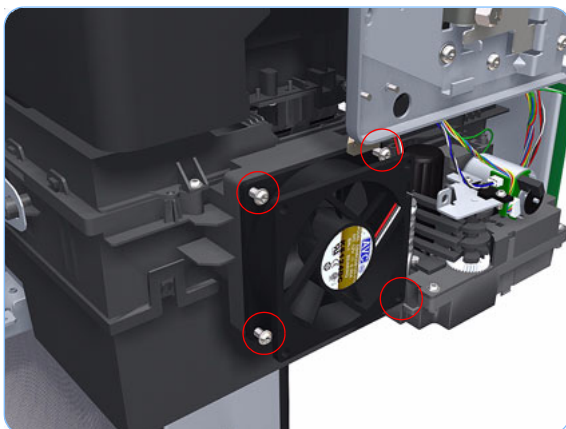
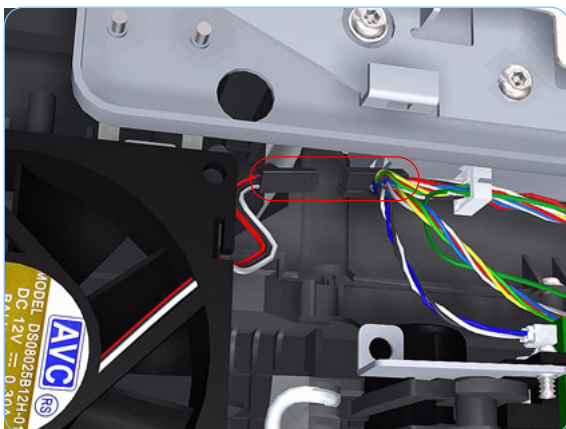
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Aerosol Fan Assembly

Removal

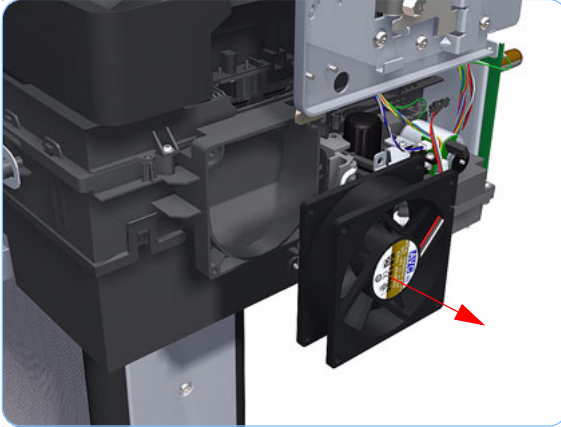
Switch off the printer and remove the power cable.

1. Remove the Right Cover (refer to page 8-23).
2. Disconnect the Aerosol Fan Assembly in-line connector.



3. Remove the four T-15 screws that secure the Aerosol Fan Assembly to the Service Station.

The four access holes in the Aerosol Fan Assembly housing are the same size as the attachment screw diameter so you will need a normal Torx Screwdriver, not a multi-tool, to remove the screws.



4. Remove the Aerosol Fan Assembly from the Service Station.

When you reinstall the Aerosol Fan Assembly make sure you position it so that the power cable is on the outside exiting to the right.

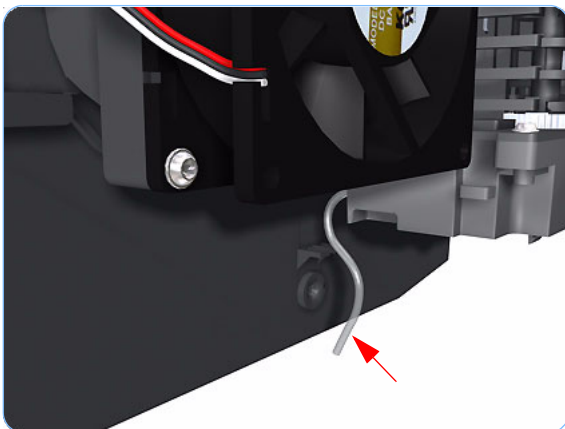
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Primer Assembly

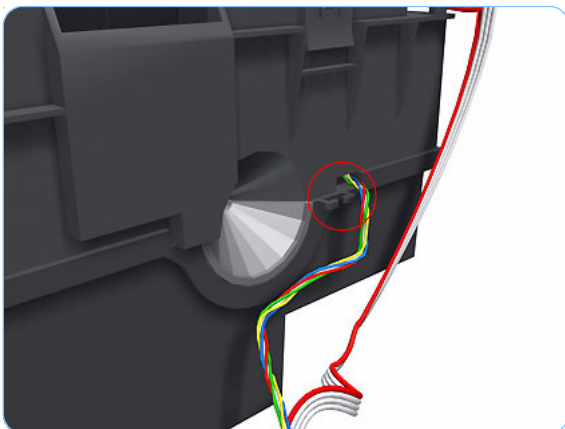
Removal

Switch off the printer and remove the power cable.

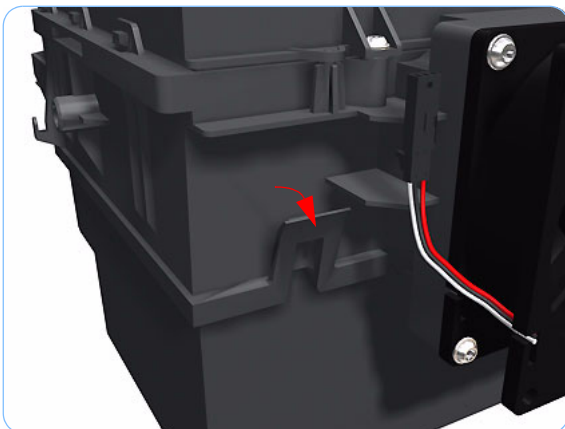
1. Remove the Right Cover (refer to page 8-23).
2. Remove the Service Station (refer to page 8-55).
3. Pull out the spitting tube from the Service Station Spittoon and unroute it from the attachment clip.

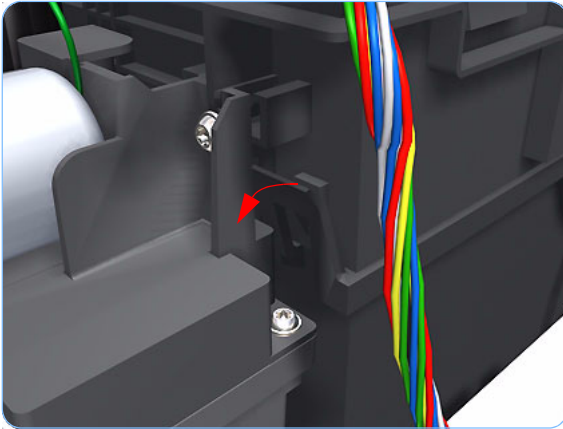


4. Unroute the cable assembly from attachment clip on the Service Station Spittoon.

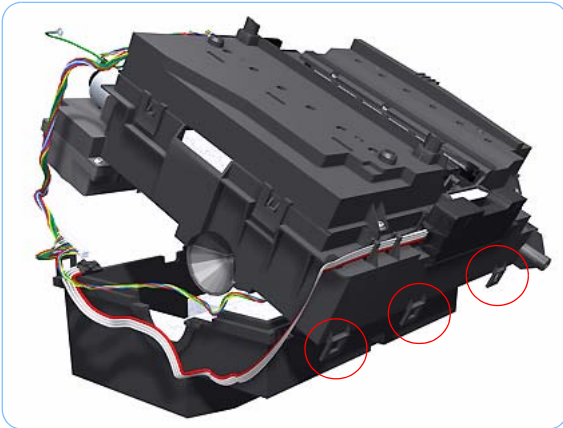


5. Unclip the front left clip that secures the Service Station to the Service Station Spittoon.

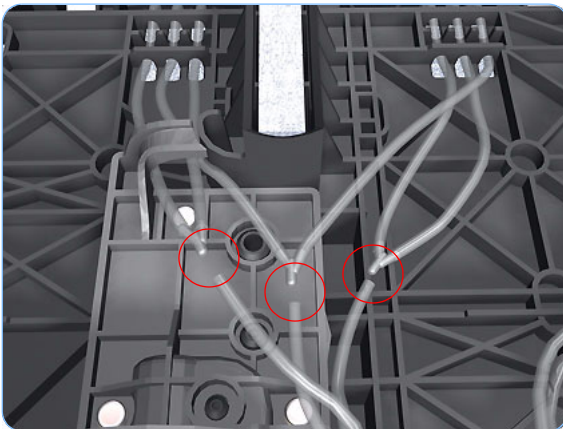




6. Unclip the front left clip that secures the Service Station to the Service Station Spittoon.



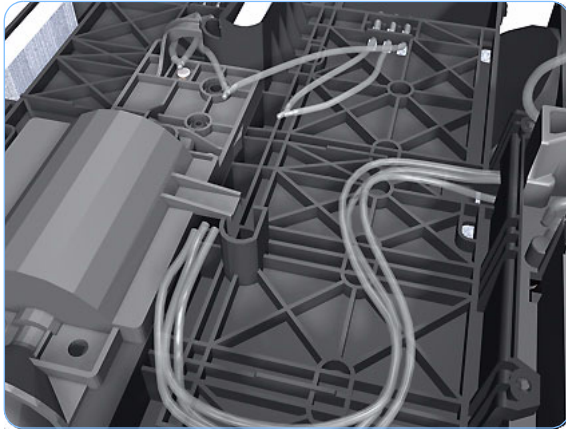
7. Carefully raise the Service Station vertically from the clip side (by approximately 30 degrees) until you can disengage it from the three attachments on the opposite side to remove it from the Left Spittoon.



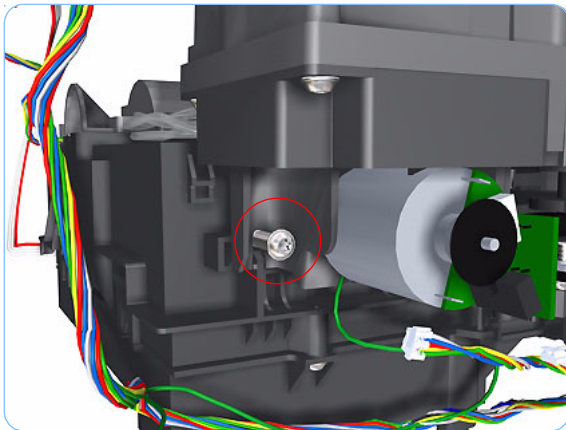
8. Disconnect the three Primer Assembly tubes.

It is recommended that you use protective gloves when handling the Primer Assembly

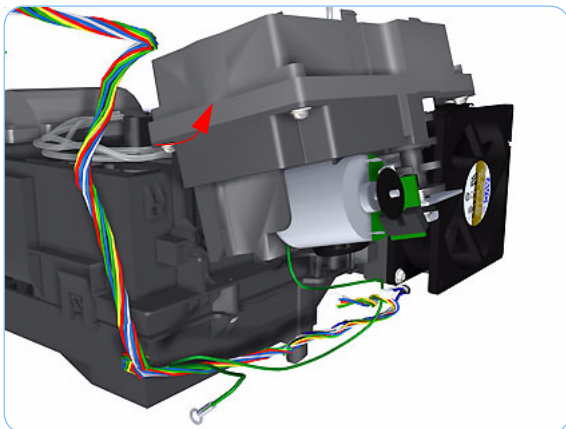
Use a suitable method to identify each Primer Assembly tube for correct re-connection during assembly components.



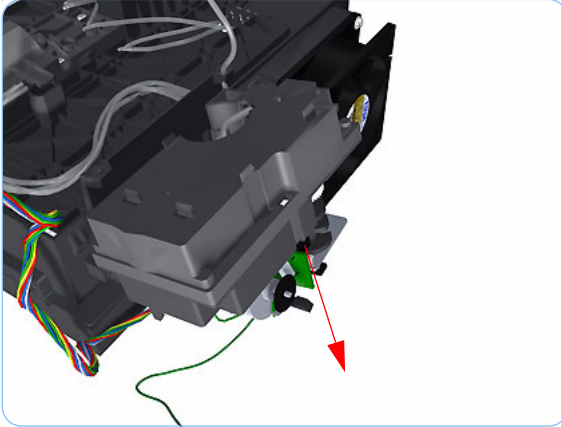
9. Unroute the three Primer Assembly tubes.



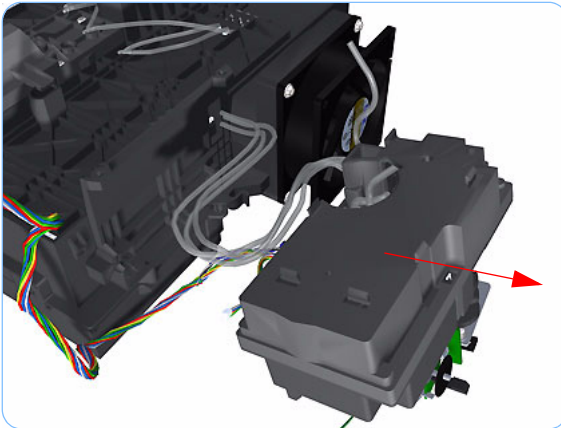
10. Remove the T-15 screw that secure the Primer Assembly to the Service Station.



11. Tilt the Primer Assembly to disengage the lower edge.



- 12.** Lower the Primer Assembly to disengage the top attachment lugs.



- 13.** Remove the Primer Assembly from the Service Station.

When you install the Primer Assembly make sure you connect the three primer tubes in accordance with their identification markings.

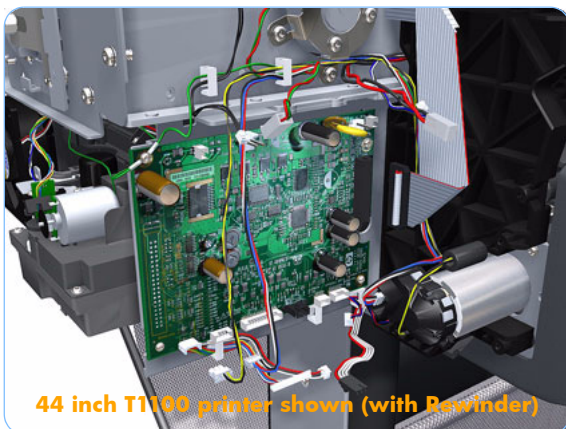
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

PrintMech PCA

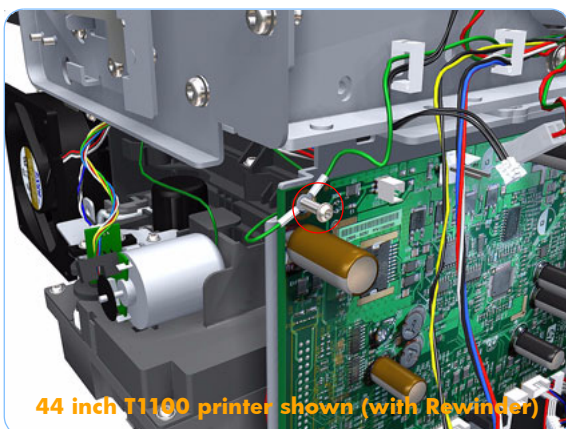
Removal

Switch off the printer and remove the power cable.

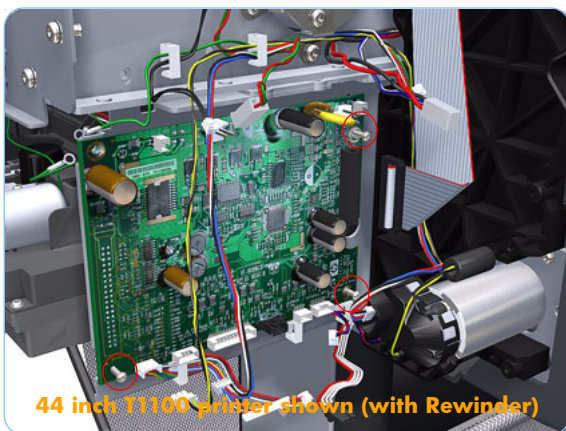
1. Remove the Right Cover (refer to page 8-23).
2. Disconnect all the electrical connectors from the PrintMech PCA.

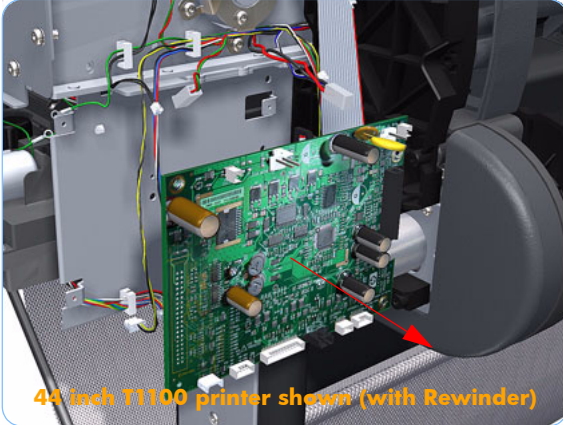


3. Remove the grounding cable attachment screw from the PrintMech PCA.



4. Remove the three T-15 screws that secure the PrintMech PCA to the Service Station.





5. Remove the PrintMech PCA from the printer.

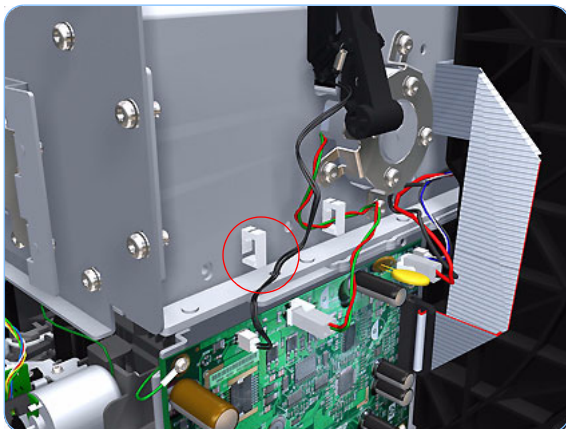
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Pen to Paper Space (PPS) Solenoid

Removal

Switch off the printer and remove the power cable.

1. Remove the Right Cover (refer to page 8-23).



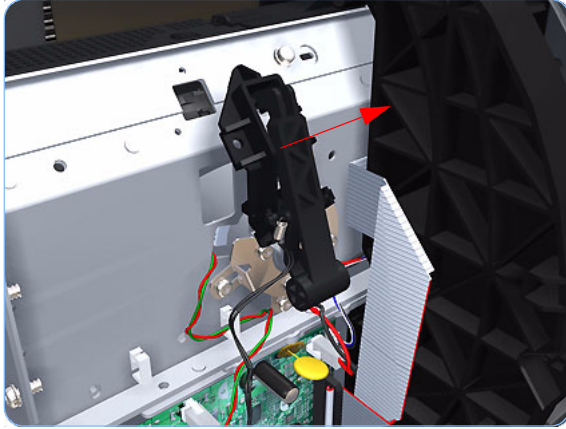
2. Unroute the Pen to Paper Space (PPS) Solenoid cable from the cable clamp.



3. Disconnect the Pen to Paper Space (PPS) Solenoid connector from the PrintMech PCA.



4. Remove two T-15 screws that secure the Pen to Paper Space (PPS) Solenoid to the printer.



5. Remove the Pen to Paper Space (PPS) Solenoid from the printer.

When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Spindle

Removal

Switch off the printer and remove the power cable.



1. Pull the left end of the Spindle (viewed from the front of the printer) out of the Left Spindle Holder.



2. Lift the Spindle out of the printer towards the left (viewed from the front of the printer).

Left Spindle Holder

Removal

Switch off the printer and remove the power cable.

1. Remove the Spindle (refer to page 8-70).
2. Remove two T-15 screws that secure the Left Spindle Holder to the printer.



3. Rotate the Left Spindle Holder towards the left.



4. Remove the Left Spindle Holder from the printer.



Right Spindle Holder

The Right Spindle Holder is only applicable to the 24 inch model T1100/T1100ps/T610 Printers. For the 44 inch model this is replaced by the Right Spindle Holder (rewinder included) (refer to page 8-74).

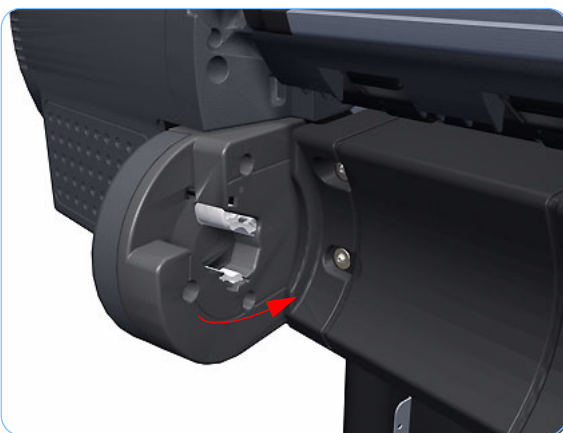
Removal

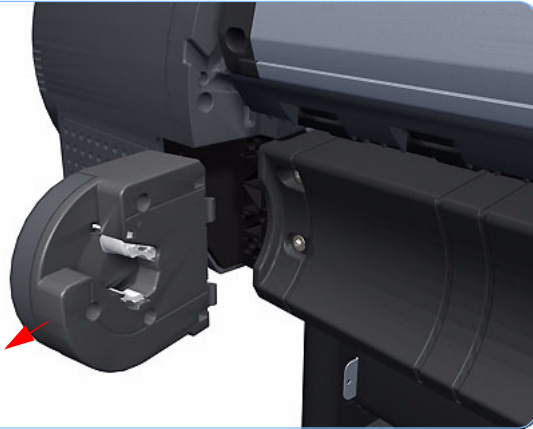
Switch off the printer and remove the power cable.

1. Remove the Spindle (refer to page 8-70).
2. Remove two T-15 screws that secure the Right Spindle Holder to the printer.



3. Rotate the Right Spindle Holder towards the right.





- 4.** Remove the Right Spindle Holder from the printer.

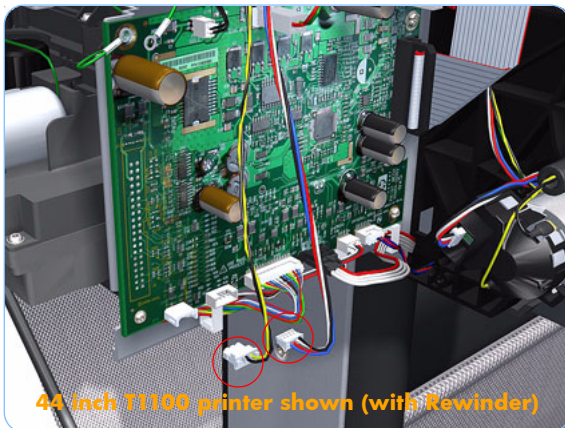
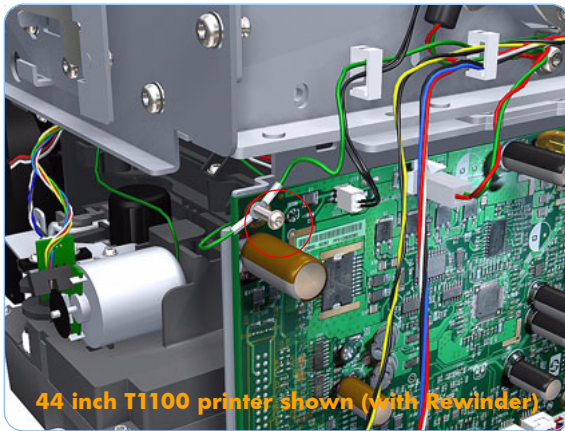
Right Spindle Holder (rewinder included)

The Rewinder is only applicable to the 44 inch model T1100/T1100ps/T610 Printers. For the 24 inch models, this is replaced by the Right Spindle Holder (refer to page 8-72).

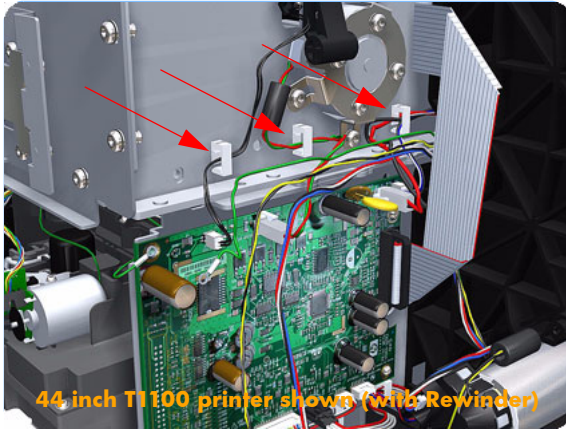
Removal

Switch off the printer and remove the power cable.

1. Remove the Spindle (refer to page 8-70).
2. Remove the Right Cover (refer to page 8-23)
3. Remove the grounding cable attachment screw from the PrintMech PCA.



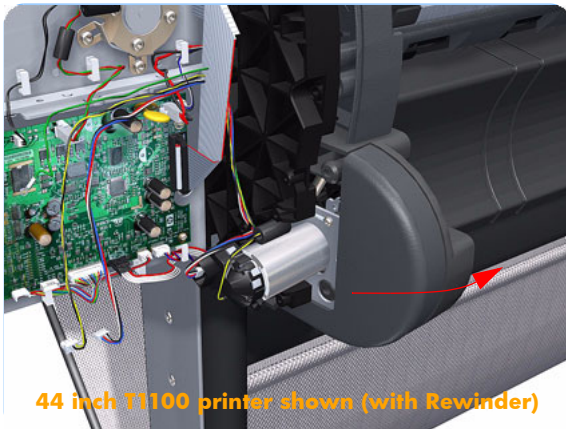
4. Disconnect the Rewinder and encoder cables from the PrintMech PCA.



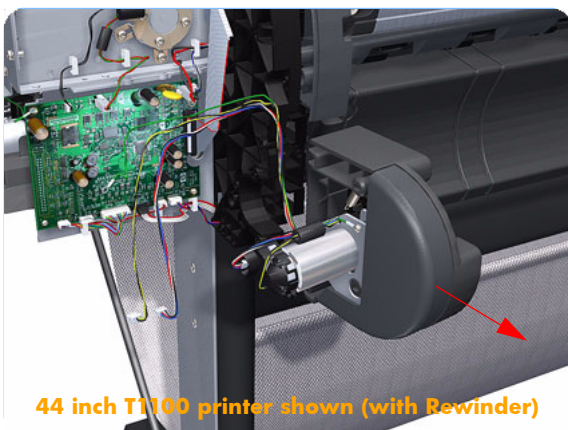
5. Unroute the Rewinder, encoder, and grounding cables from the cable clamps.



6. Remove the two T-10 screws that secure the Right Spindle Holder (rewinder included).



7. Unroute the Rewinder and encoder cables from all other cables. Rotate the Right Spindle Holder (rewinder included) towards the right.



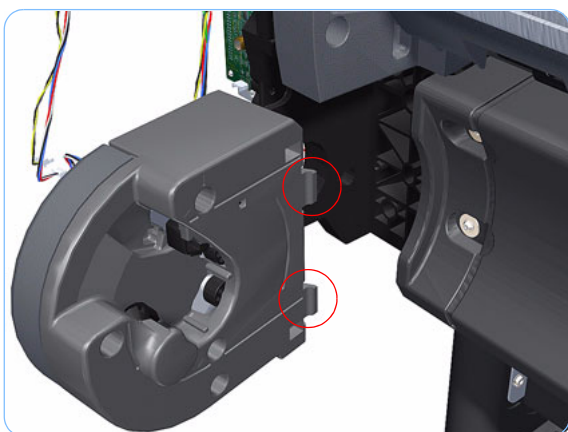
44 inch T1100 printer shown (with Rewinder)

8. Remove the Right Spindle Holder (rewinder included) from the printer.

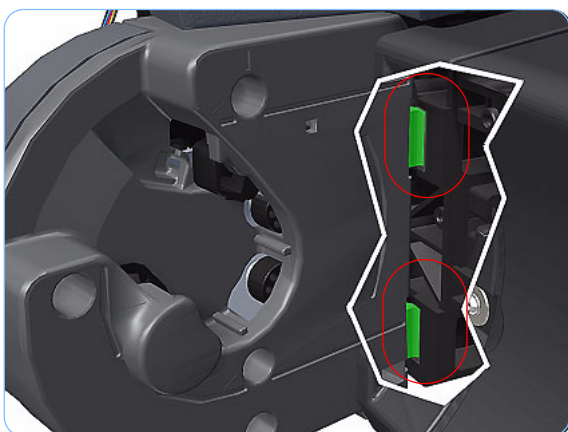
Installation

When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

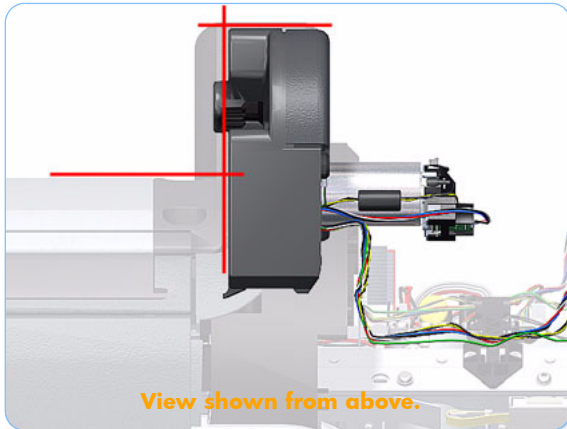
Make sure you carry out the following actions during the installation of the Right Spindle Holder (rewinder included)



1. Take note of the two clips that fit to the printer.



2. Make sure the two clips fit correctly to the printer.

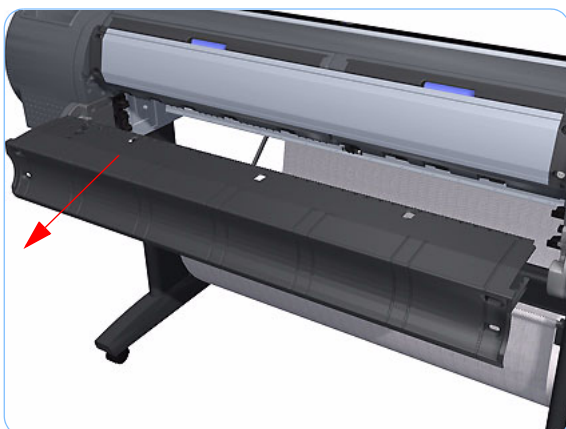
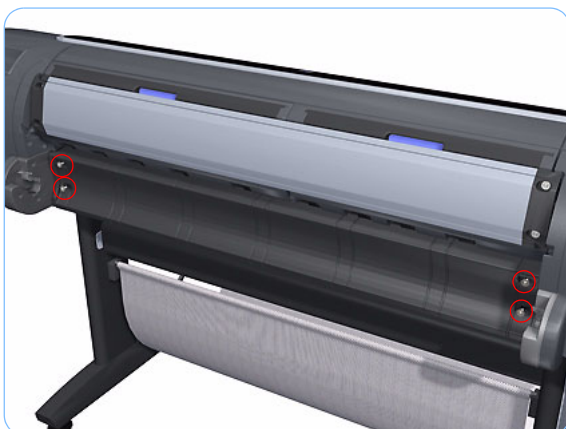
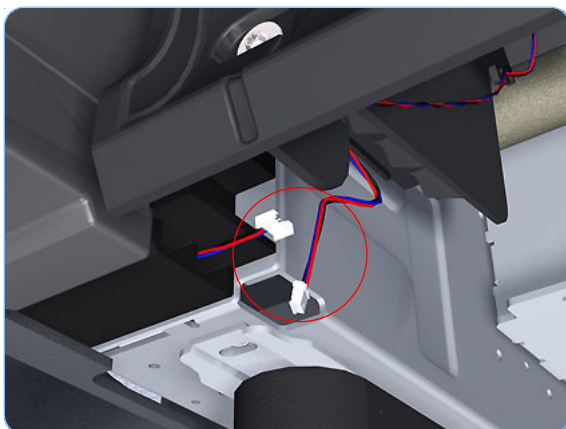


3. A correctly attached Right Spindle Holder (rewinder included) looks like this (shown from above).

Clean Out Assembly

Removal

Switch off the printer and remove the power cable.



1. Remove the Spindle (refer to page 8-70).
2. Disconnect the Out Of Paper Sensor in-line connector and unroute the its cable.

3. Remove the four T-15 screws that secure Clean Out Assembly to the printer.

4. Beginning with the **left** side, slide the Clean Out Assembly out of the printer. Double check that you haven't broken the Out Of Paper Sensor on the left side of the Clean Out Assembly.

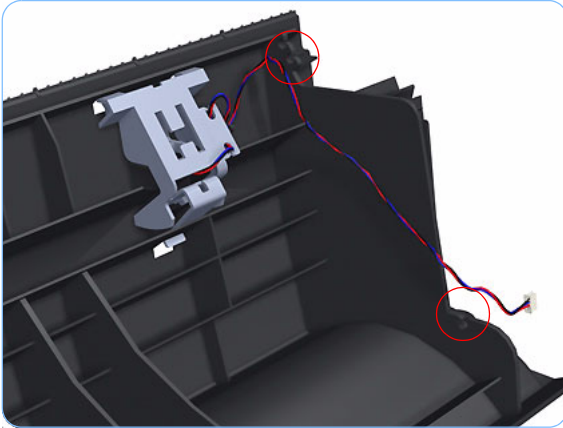
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Out Of Paper Sensor

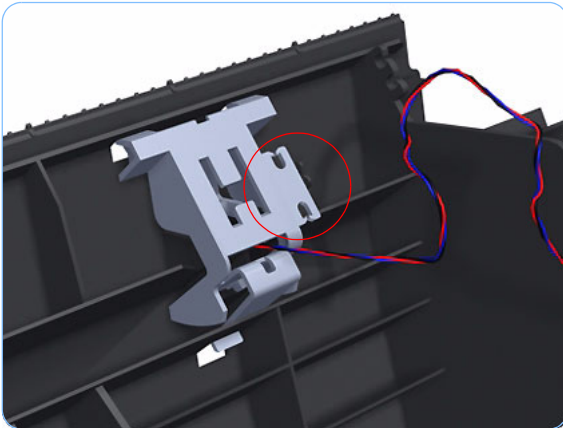
Removal

Switch off the printer and remove the power cable.

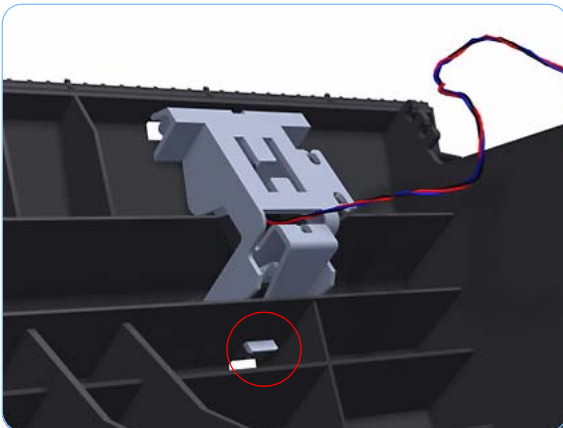
1. Remove the Spindle (refer to page 8-70).
2. Remove the Clean Out Assembly (refer to page 8-78).
3. Unroute the Out Of Paper Sensor electrical cables from the Clean Out Assembly.

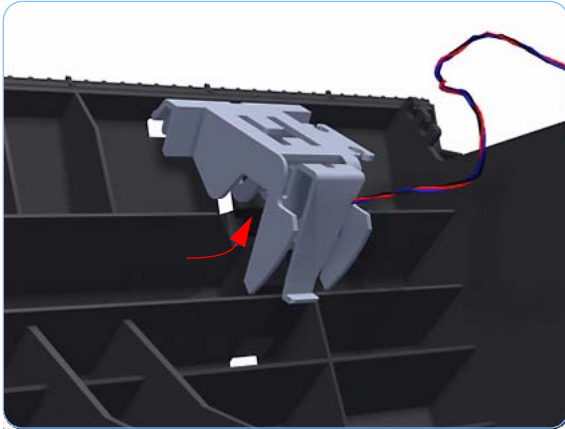


4. Unroute (unwind) the Out Of Paper Sensor electrical cables from the Out Of Paper Sensor cover.

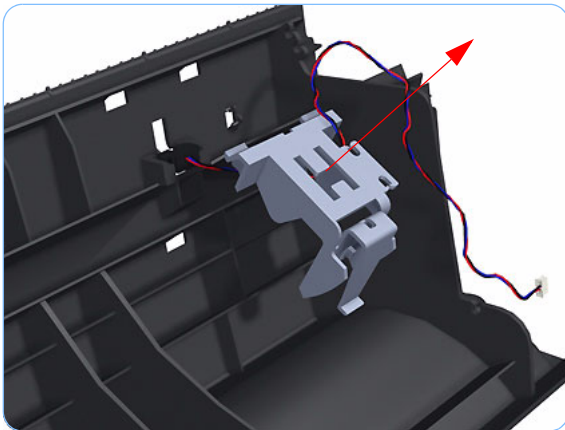


5. Press the clip to remove the Out Of Paper Sensor cover from the Clean Out Assembly.

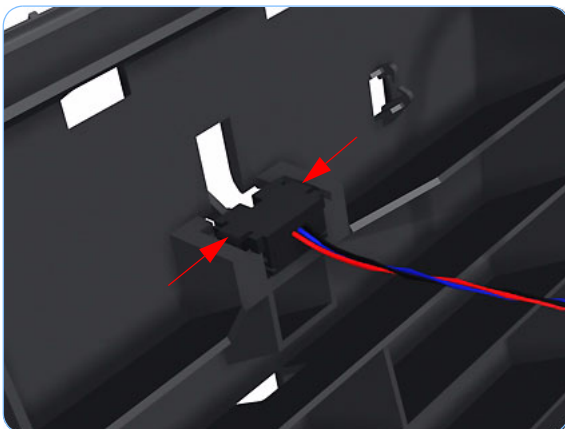




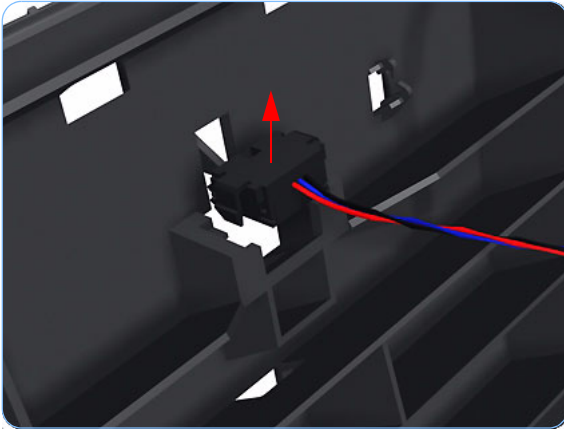
- 6.** Rotate the Out Of Paper Sensor cover approximately 45 degrees.



- 7.** Remove the Out Of Paper Sensor cover from the Clean Out Assembly



- 8.** Squeeze the Out Of Paper Sensor attachment clips to remove it from the Clean Out Assembly.



9. Lift the Out Of Paper Sensor out of the Clean Out Assembly.

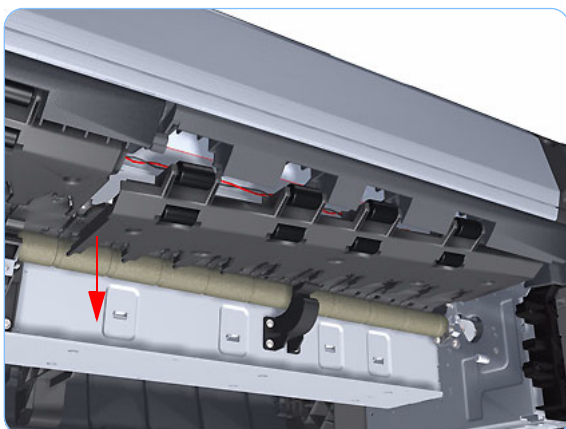
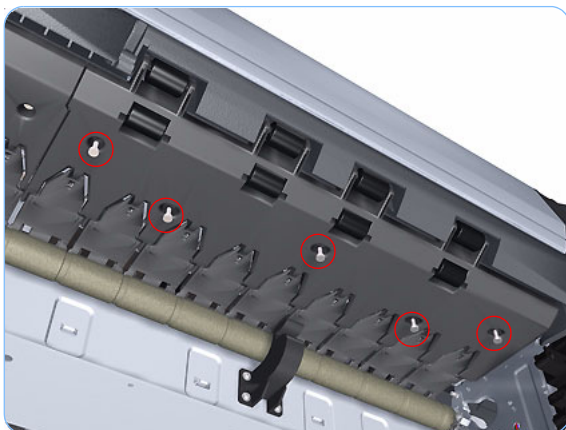
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Left Roll Guide

Removal

Switch off the printer and remove the power cable.

1. Remove the Spindle (refer to page 8-70).
2. Remove the Clean Out Assembly (refer to page 8-78).
3. Remove five T-15 screws that secure Left Roll Guide to the printer.



4. Lower the left end and remove the Left Roll Guide from the printer.

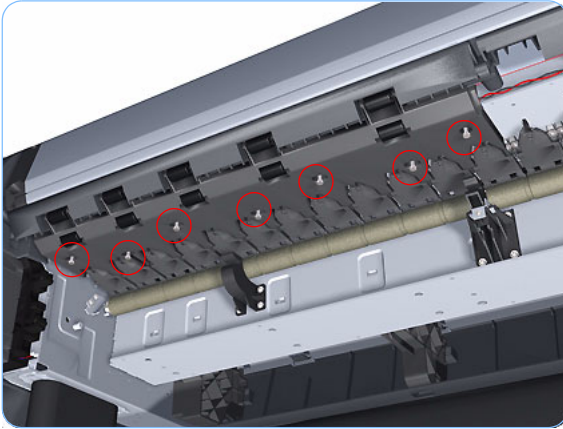
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Right Roll Guide

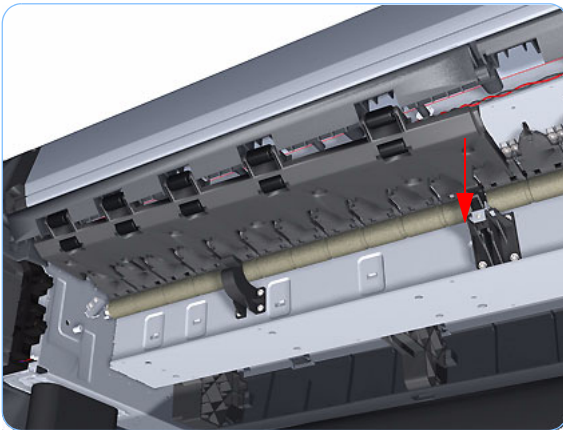
Removal

Switch off the printer and remove the power cable.

1. Remove the Spindle (refer to page 8-70).
2. Remove the Clean Out Assembly (refer to page 8-78).
3. Remove the Left Roll Guide (refer to page 8-82).
4. Remove seven T-15 screws that secure Right Roll Guide to the printer.



5. Lower the right end and remove the Right Roll Guide from the printer.



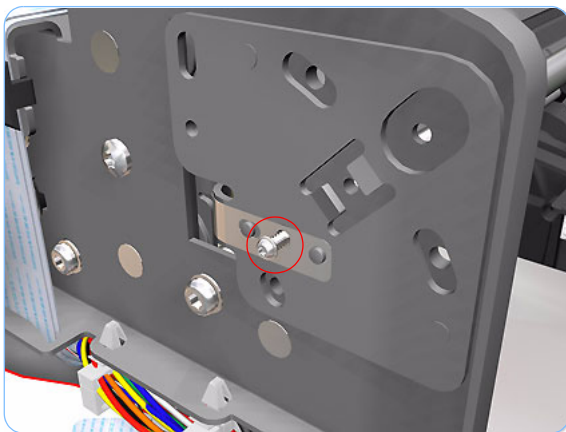
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Encoder Strip (with spring and attachment nut)

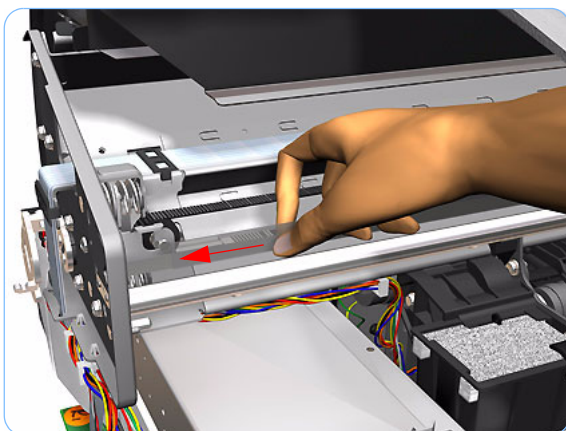
Removal

Switch off the printer and remove the power cable.

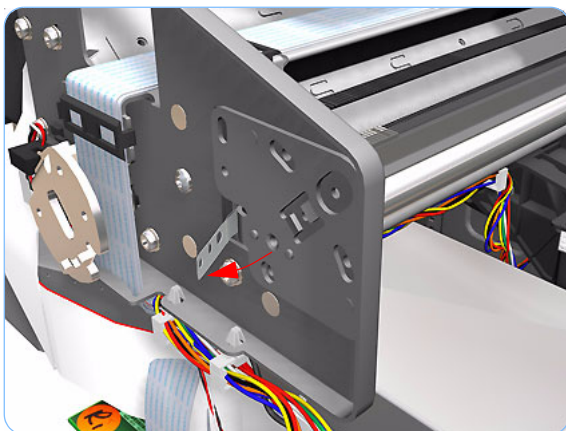
1. Remove the Right Cover (refer to page 8-23).
2. Remove the Left Cover (refer to page 8-26).
3. Remove the T-15 screw that secures Encoder Strip to the printer.

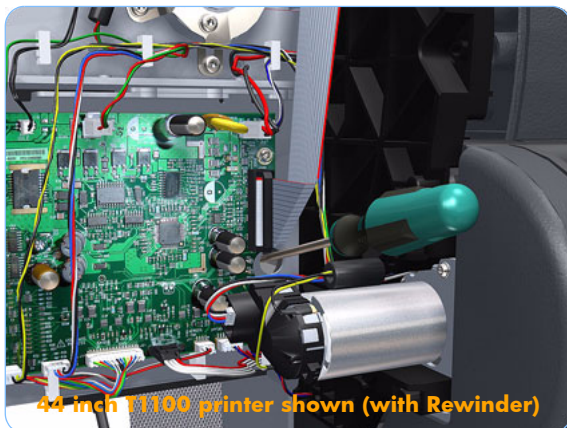


4. Grip the Encoder Strip and move it towards the left to take off the tension until you have completed the next step.



5. Unclip the Encoder Strip from its attachment lugs.



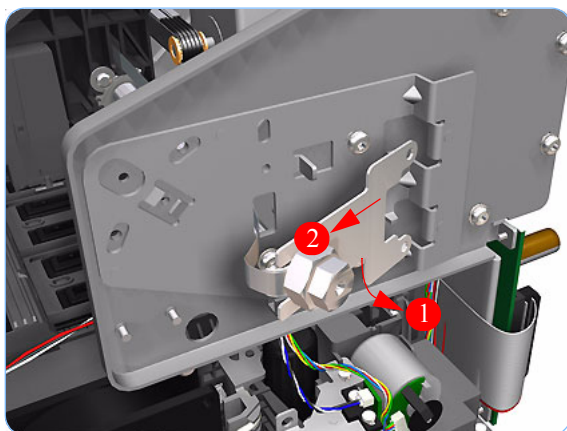


6. Loosen the T-10 uncapping screw sufficiently so you can manually move the Carriage Assembly in step 7.

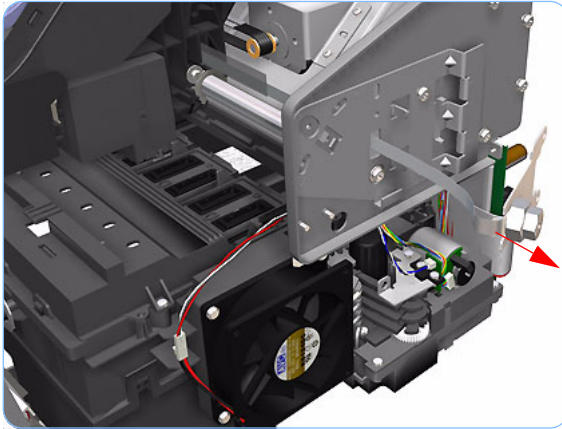
If you are uncapping a 44 inch printer, you will need to use either a very long or very short screwdriver to loosen the uncapping screw. In this way, you can loosen the screw and pass the rewinder motor.



7. Push the Carriage Assembly into the print path.



8. Unclip the Encoder Strip tensioner from the right hand end.



9. Carefully pull the Encoder Strip out of the printer from the right hand end.

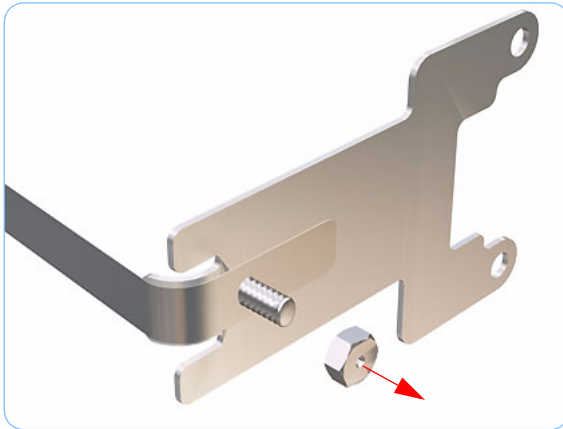
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Encoder Strip

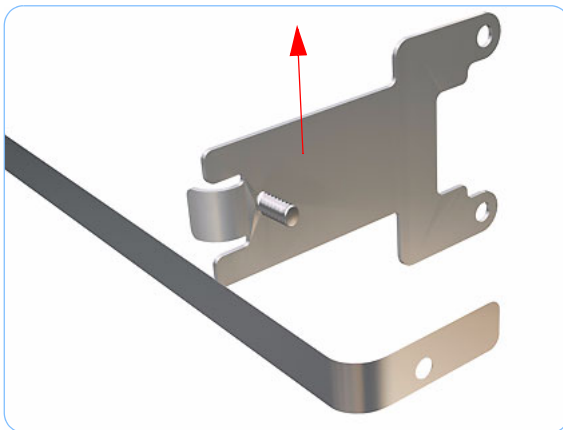
Removal

Switch off the printer and remove the power cable.

1. Remove the Right Cover (refer to page 8-23).
2. Remove the Left Cover (refer to page 8-26).
3. Remove the Encoder Strip (with spring and attachment nut) (refer to page 8-84).
4. Use the spanner provided in the tool kit to remove the 13 mm locking nut that secures the Encoder Strip to the Encoder Strip Spring.



5. Remove the Encoder Strip Spring.



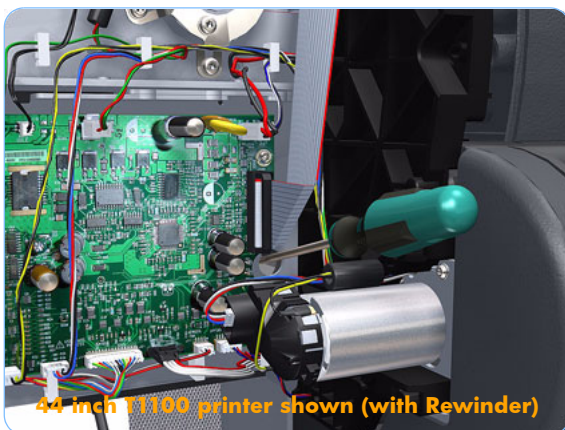
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Trailing Cable

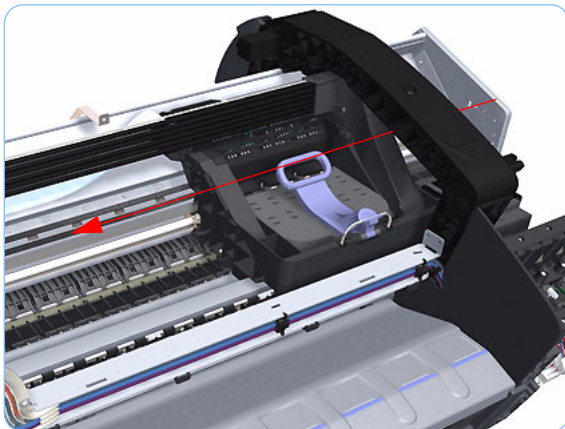
Removal

Switch off the printer and remove the power cable.

1. Remove the Left Cover (refer to page 8-26).
2. Remove the Right Cover (refer to page 8-23).
3. Remove the Front Panel (refer to page 8-43).
4. Remove the Top Cover (refer to page 8-46).
5. Remove the Window Position Sensor (refer to page 8-49).
6. Remove the Ink Supply Tubes Support Rail (refer to page 8-51).
7. Loosen the T-10 uncapping screw sufficiently so you can manually move the Carriage Assembly in step 8.



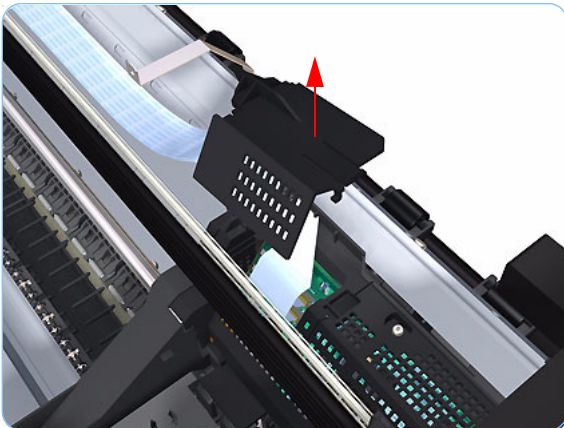
If you are uncapping a 44 inch printer, you will need to use either a very long or very short screwdriver to loosen the uncapping screw. In this way, you can loosen the screw and pass the rewinder motor.



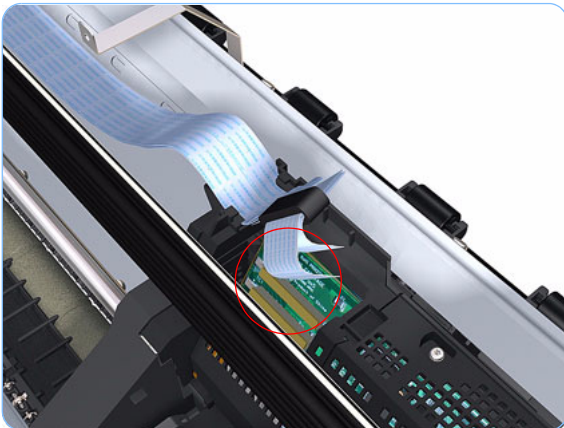
8. Push the Carriage Assembly into the print path.



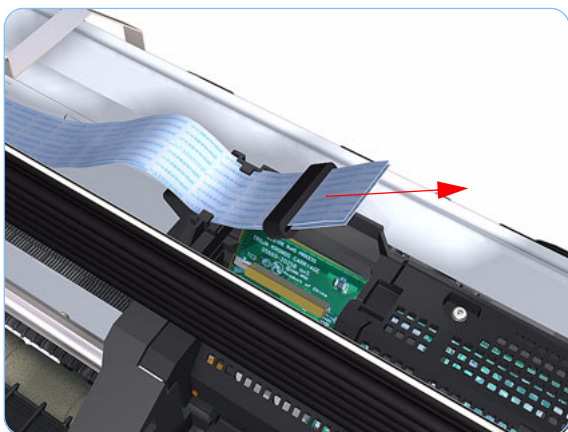
- 9.** Unclip the small cover of the Carriage PCA.



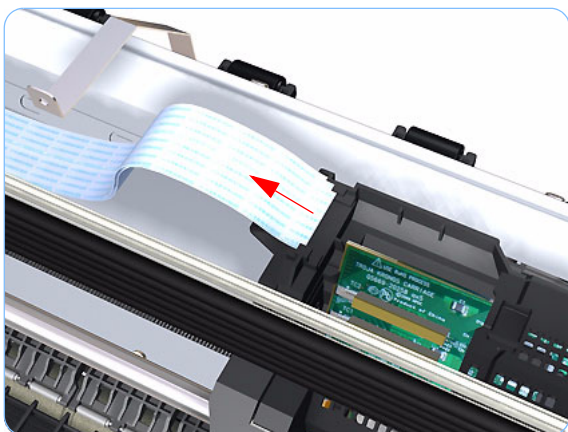
- 10.** Remove the small cover of the Carriage PCA.



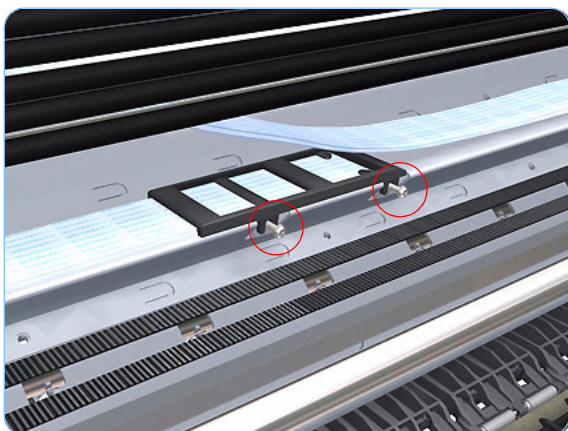
- 11.** Disconnect the two ribbon cables of the Trailing Cables from the Carriage PCA.



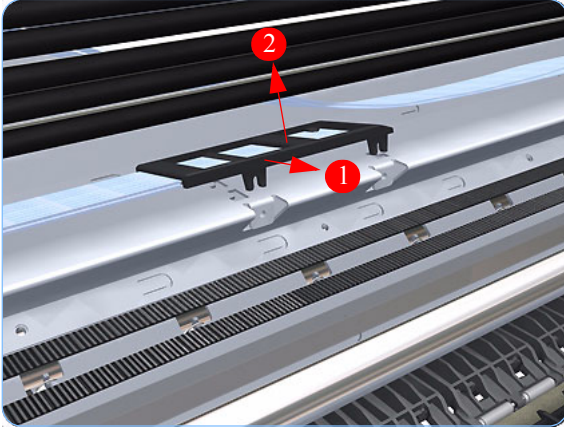
- 12.** Straighten the two ribbon cables of the Trailing Cables and remove the Ferrite Core.



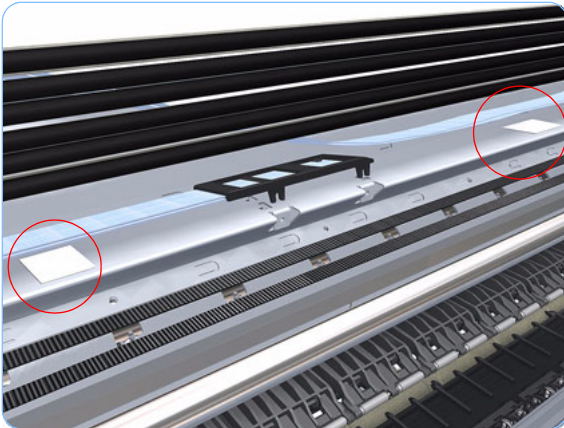
- 13.** Slide the Trailing Cables out of the attachment clips of the Carriage Assembly.



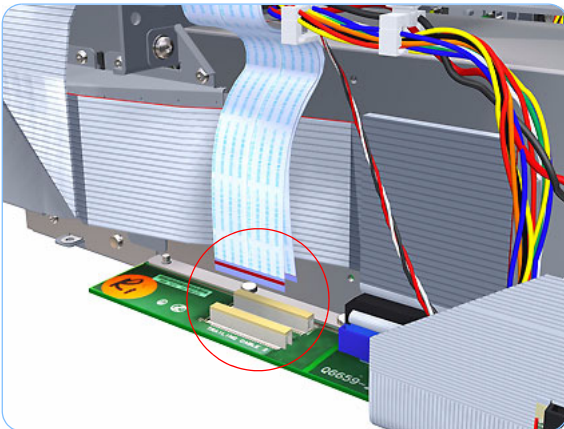
- 14.** Use a short torx screwdriver to remove the two T-10 screws that secure the center attachment of the Trailing Cables.



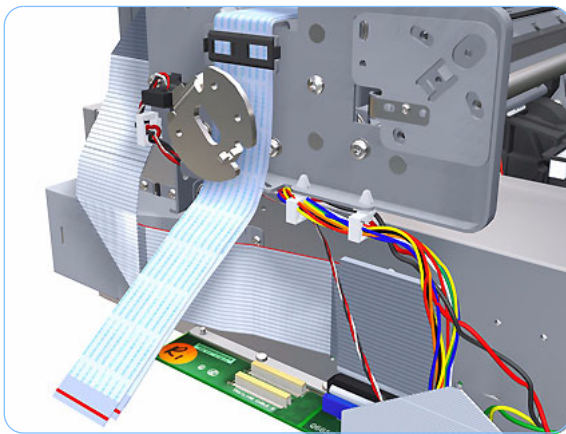
15. Unclip the center attachment of the Trailing Cables.



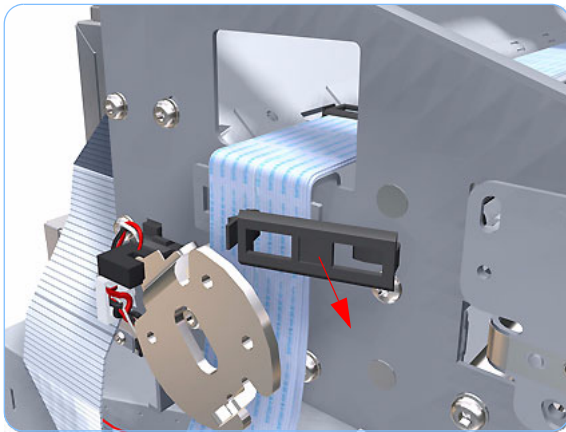
16. Remove the Trailing Cables from the two double sided adhesive pads that attach it to the printer.



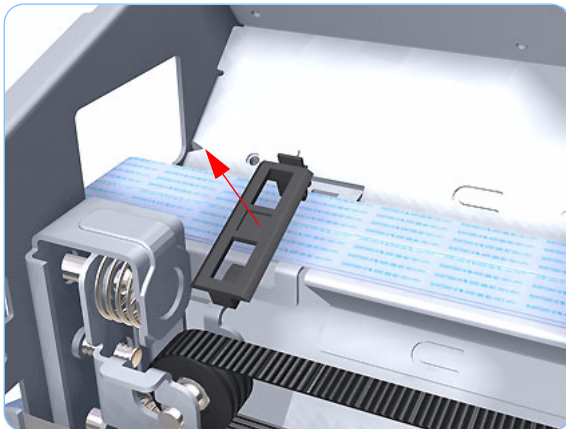
17. Disconnect the two ribbon cables of the Trailing Cables from the Electronics Module.



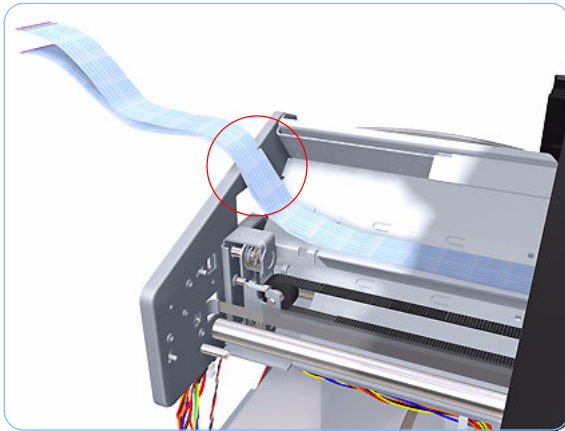
18. Unroute the Trailing Cables.



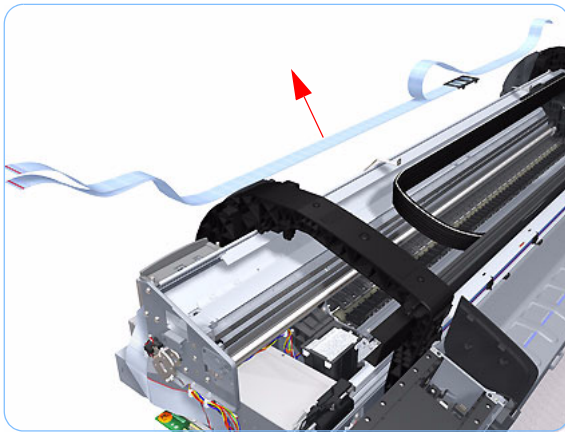
19. Unclip and remove the cable clamp of the Trailing Cables.



20. Unclip and remove the cable clamp of the Trailing Cables.



21. Unroute the Trailing Cables.



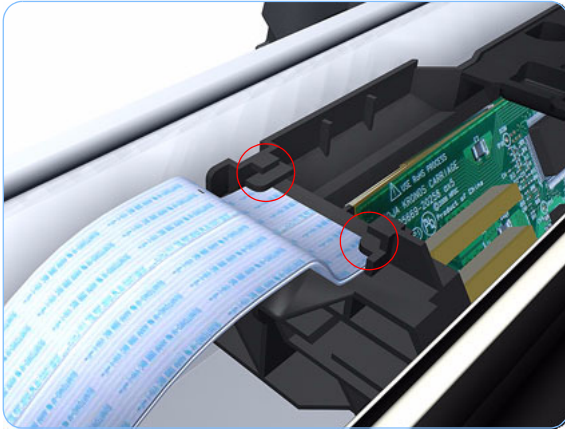
22. Remove the Trailing Cables from the printer.

Installation

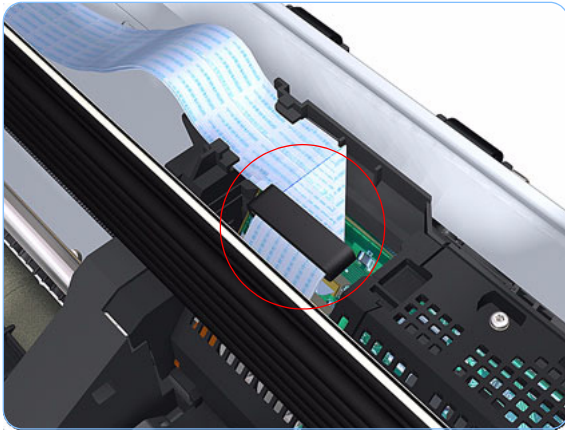
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Make sure you carry out the following actions during the installation of the Trailing Cable

1. Use an alcohol (from the Lubrification Kit or Tool Kit) dampened cloth to remove all traces of residual adhesive (remaining from the double sided pads removed in step 16) from the printer before applying new pads in the same positions as the original pads.



- 2.** Make sure both ribbon cables of the Trailing Cable are routed below the lower attachment clips of the Carriage Assembly.



- 3.** Make sure that the Ferrite Core is correctly positioned so that the small cover of the Carriage PCA closes correctly to avoid possible friction damage to the Trailing Cable during operation of the printer.

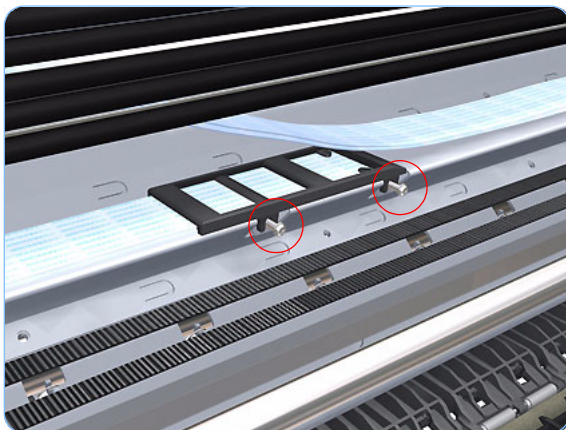
Carriage Assembly (with or without Trailing Cable)

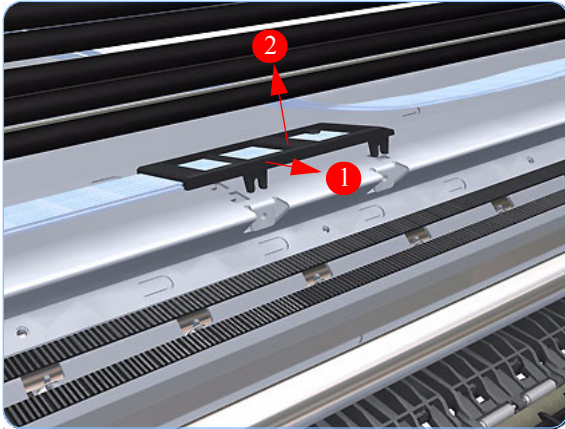
Removal

Switch off the printer and remove the power cable.

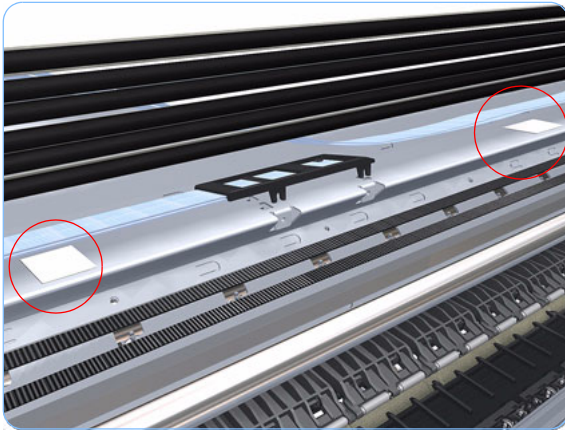
If you replace the Carriage Assembly with service parts Q6683-60231 (24 inch) or Q6687-60087 (44 inch) that include a Trailing Cable, remember to remove the Trailing Cable with the Carriage Assembly.

1. Remove the Front Cover (refer to page 8-12).
2. Remove the Right Cover (refer to page 8-23).
3. Remove the Left Cover (refer to page 8-26).
4. Remove the Cutter Assembly (refer to page 8-38).
5. Remove the Front Panel (refer to page 8-43).
6. Remove the Top Cover (refer to page 8-46).
7. Remove the Window Position Sensor (refer to page 8-49).
8. Remove the Ink Supply Tubes Support Rail (refer to page 8-51).
9. Manually uncap the Service Station before removing the Encoder Strip (with spring and attachment nut) (refer to page 8-84).
10. Remove the Encoder Strip (with spring and attachment nut) (refer to page 8-84).
11. If necessary manually move the Carriage Assembly fully right into the docking station.
12. Use a short torx screwdriver to remove the two T-10 screws that secure the center attachment of the Trailing Cables.

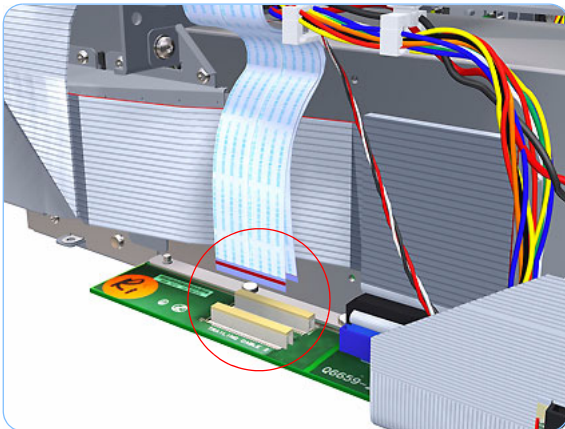




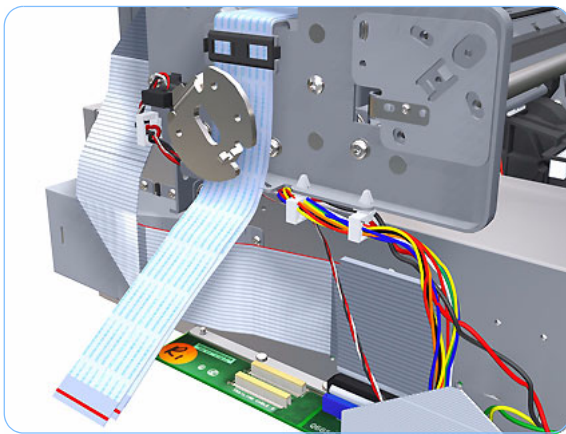
13. Unclip the center attachment of the Trailing Cables.



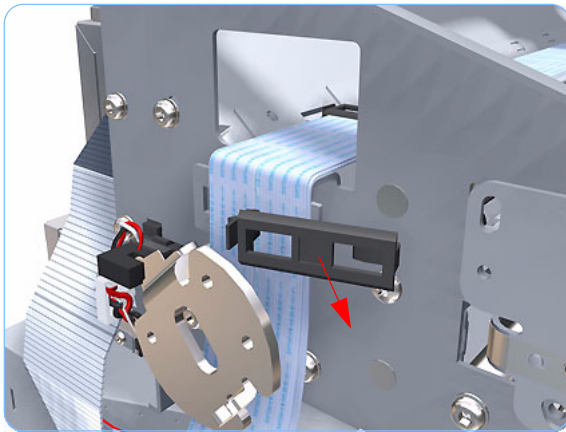
14. Remove the Trailing Cables from the two double sided adhesive pads that attach it to the printer.



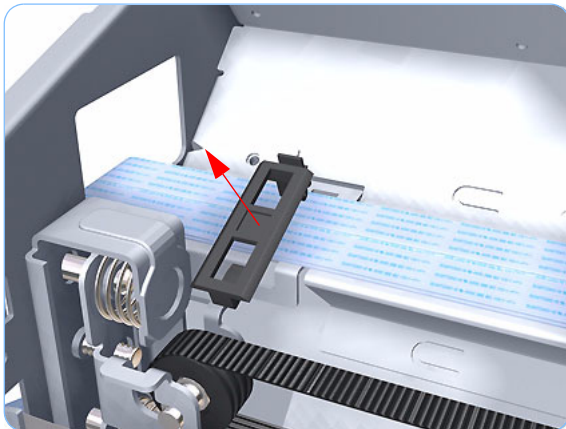
15. Disconnect the two ribbon cables of the Trailing Cables from the Electronics Module.



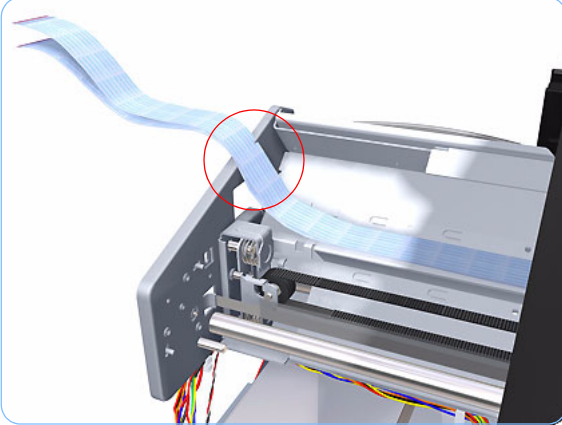
16. Unroute the Trailing Cables.



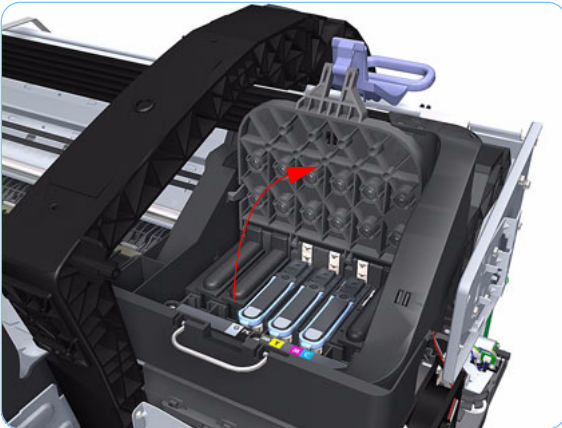
17. Unclip and remove the cable clamp of the Trailing Cables.



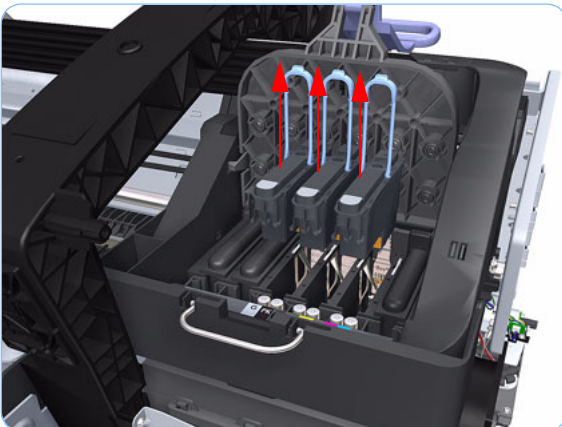
18. Unclip and remove the cable clamp of the Trailing Cables.



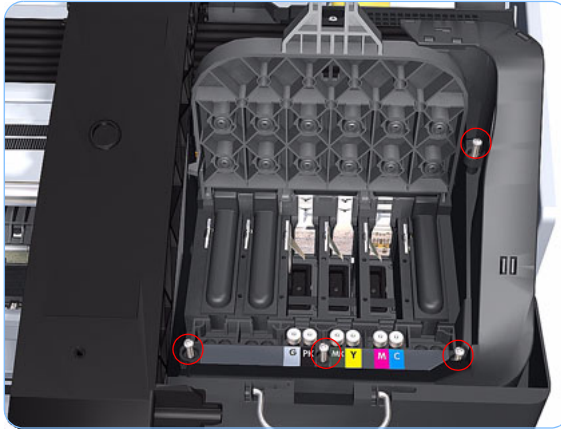
19. Unroute the Trailing Cables.



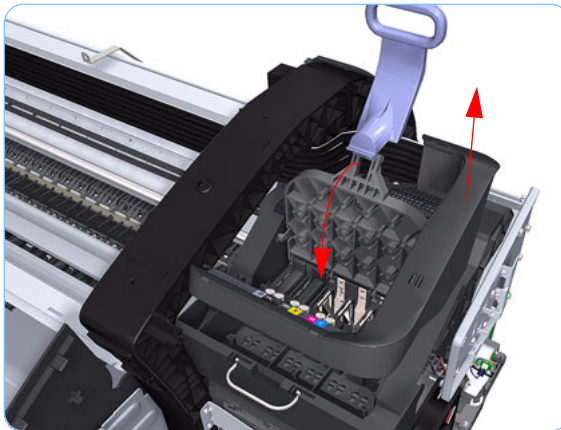
20. Open the Carriage Cover.



21. Remove all the Printheads.



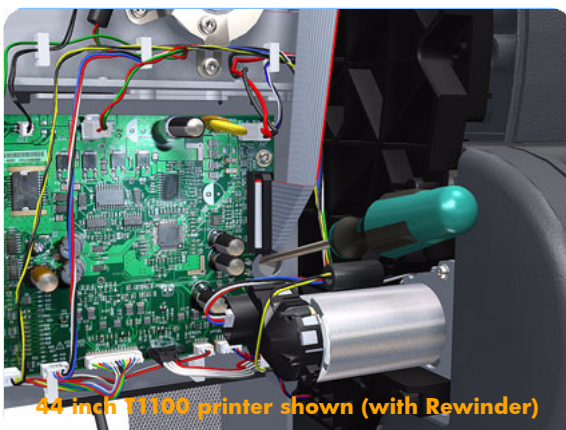
22. Remove the four T-15 screws that secure the Ink Supply Tubes to the Carriage Assembly.



23. Carefully lift out the Ink Supply Tubes and close the carriage cover at the same time.

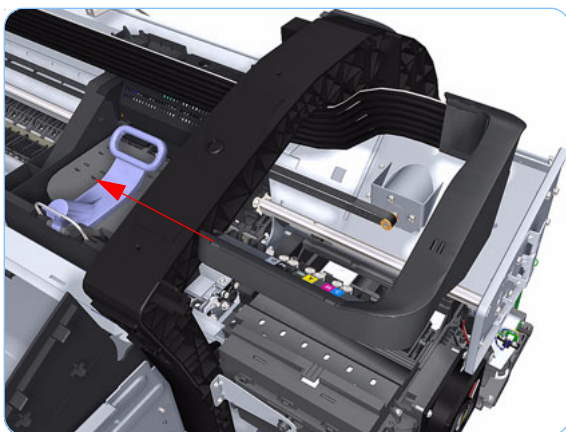


24. Close and lock the Carriage Cover.



- 25.** Loosen the T-10 uncapping screw sufficiently so you can manually move the Carriage Assembly in step 26.

If you are uncapping a 44 inch printer, you will need to use either a very long or very short screwdriver to loosen the uncapping screw. In this way, you can loosen the screw and pass the rewinder motor.



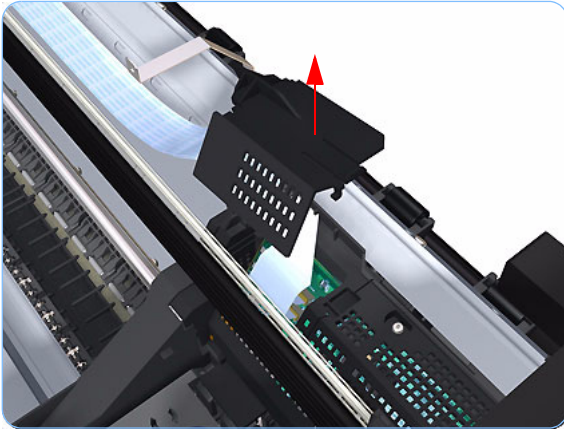
- 26.** Push the Carriage Assembly into the print path.



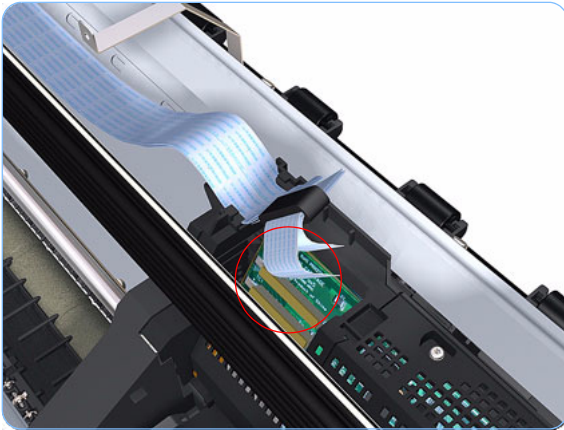
- 27.** Unclip the small cover of the Carriage PCA.

If you will replace the Carriage Assembly without replacing the Trailing Cable (part Q6683-60199), continue following all steps.

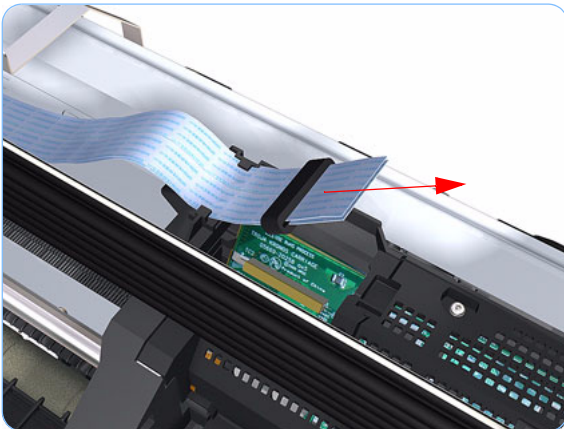
If you will replace the Carriage Assembly and the Trailing Cable (parts Q6683-60231 and Q6687-60087), skip steps 27 through 31.



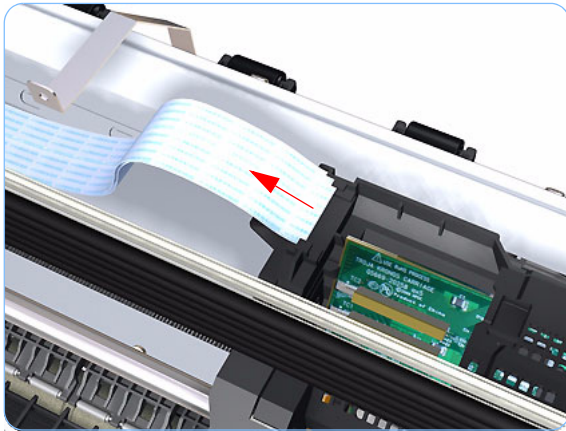
28. Remove the small cover of the Carriage PCA.



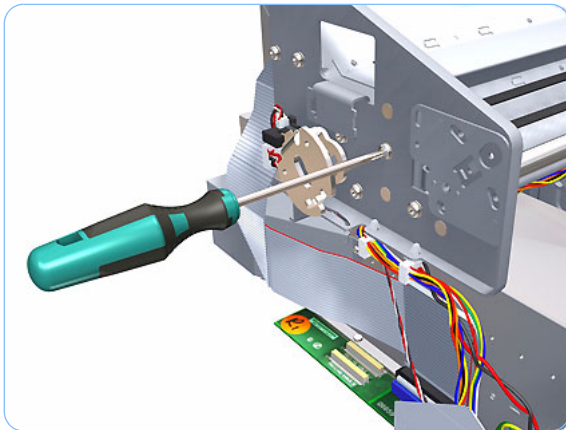
29. Disconnect the two ribbon cables of the Trailing Cables from the Carriage PCA.



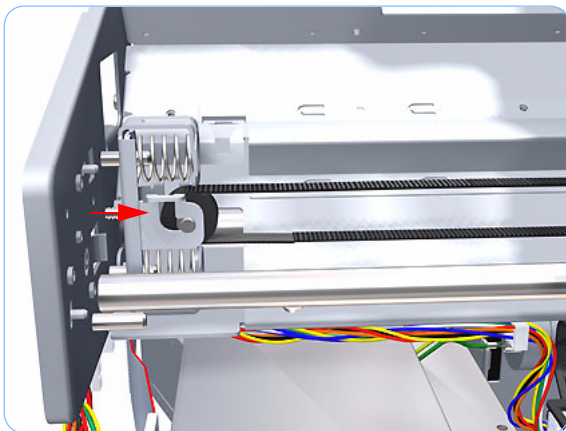
30. Straighten the two ribbon cables of the Trailing Cables and remove the Ferrite Core.



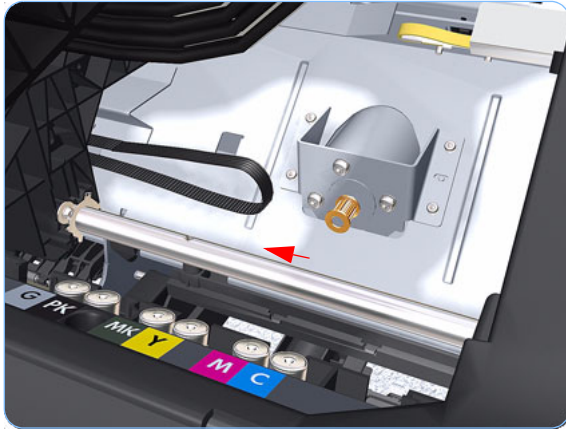
31. Slide the Trailing Cables out of the attachment clips of the Carriage Assembly.



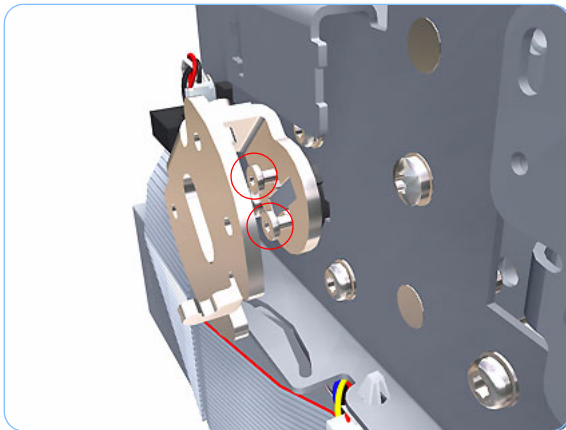
32. Loosen the T-15 screw Belt Tensioner to the printer to remove the tension from the belt.



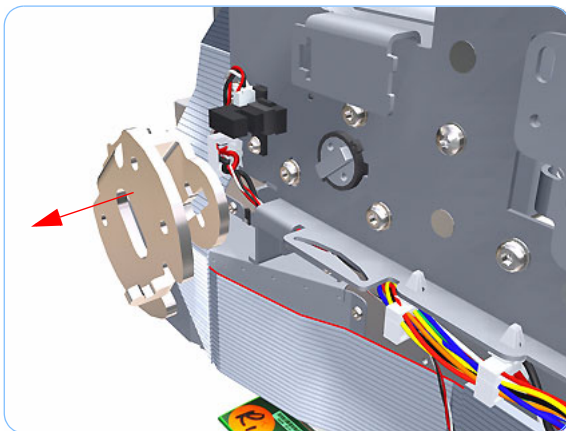
33. Leave the Belt Tensioner in place with all the tension removed.



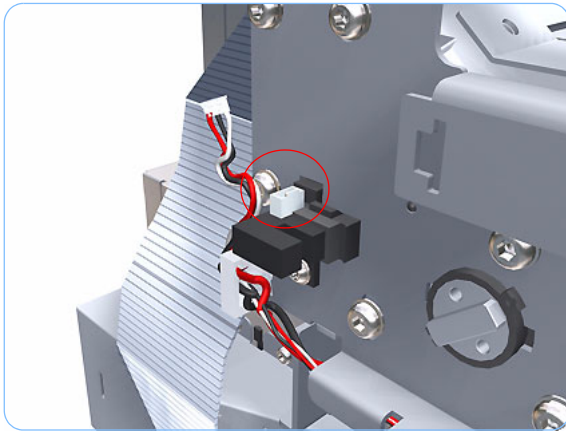
34. Remove the Belt Assembly from the Scan-Axis Motor drive wheel.



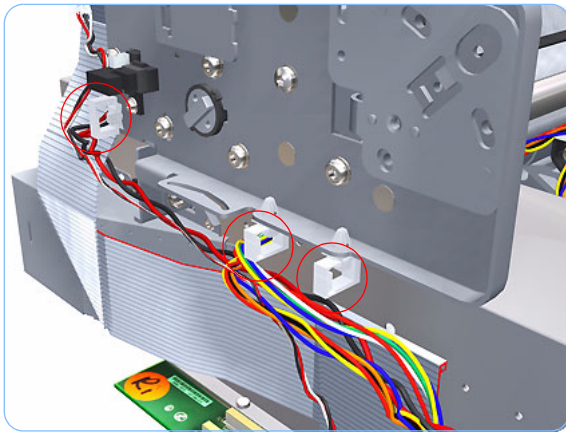
35. Remove the two T-15 screw that secure the Media Lever attachment plate.



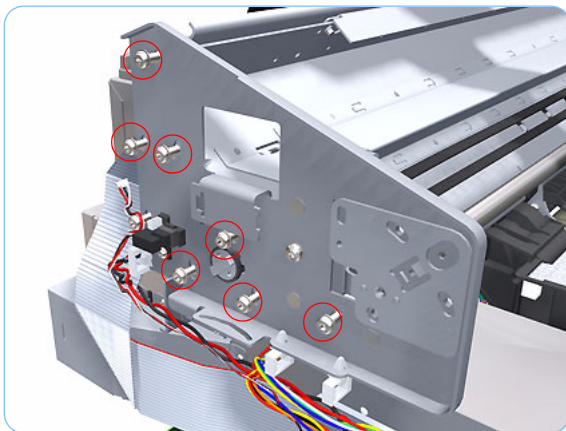
36. Remove the Media Lever attachment plate.



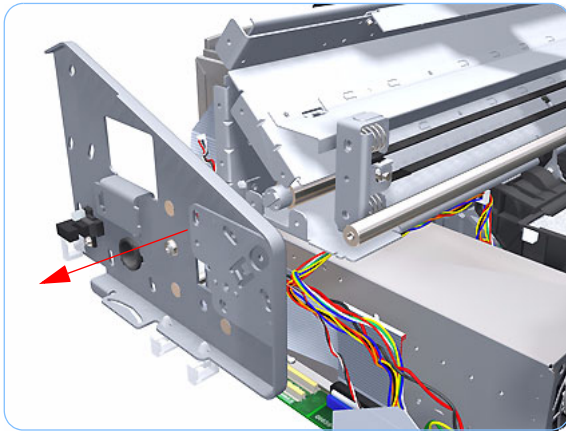
37. Disconnect the Pinchwheel Lifter Sensor.



38. Unroute the cables from the cable clamps on the Scan Side Panel.



39. Remove the seven T-15 screw that secure the Scan Side Panel to the printer.



40. Remove the Scan Side Panel.



Carriage Assembly without Trailing Cable shown

41. Carefully slide the Carriage Assembly and Belt Assembly out of the printer (and the Trailing Cable if you are removing it with the Carriage Assembly).

Before you reinstall the Carriage Assembly use an alcohol dampened cloth to remove all traces of residual adhesive (remaining from the double sided pads removed in step 14) from the printer before applying new pads in the same positions as the original pads.

When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

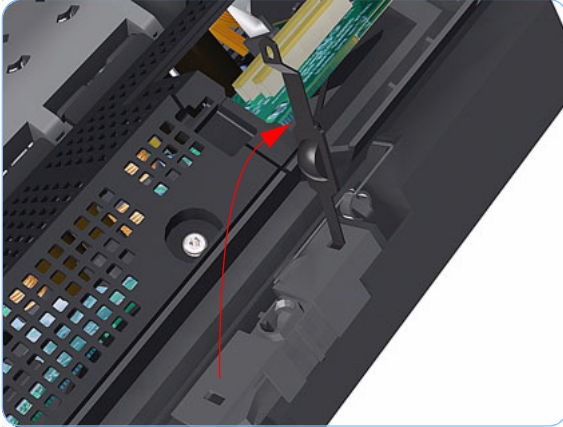
Carriage Rear Bushing

Removal

Switch off the printer and remove the power cable.

1. Remove the Front Cover (refer to page 8-12).
2. Remove the Right Cover (refer to page 8-23).
3. Remove the Left Cover (refer to page 8-26).
4. Remove the Cutter Assembly (refer to page 8-38).
5. Remove the Front Panel (refer to page 8-43).
6. Remove the Top Cover (refer to page 8-46).
7. Remove the Window Position Sensor (refer to page 8-49).
8. Remove the Ink Supply Tubes Support Rail (refer to page 8-51).
9. Remove the Encoder Strip (with spring and attachment nut) (refer to page 8-84).
10. Remove the Carriage Assembly (with or without Trailing Cable) (refer to page 8-95).
11. Squeeze the left hand clip of the Carriage Rear Bushing sufficiently to be able to release it from the Carriage Assembly.





12. Rotate the Carriage Rear Bushing vertically and remove it from the Carriage Assembly.



When you reinstall the Carriage Rear Bushing, use the Oil and Oil Dispenser from the Lubrification Kit to add 2-3 drops of oil to the small depression in it.

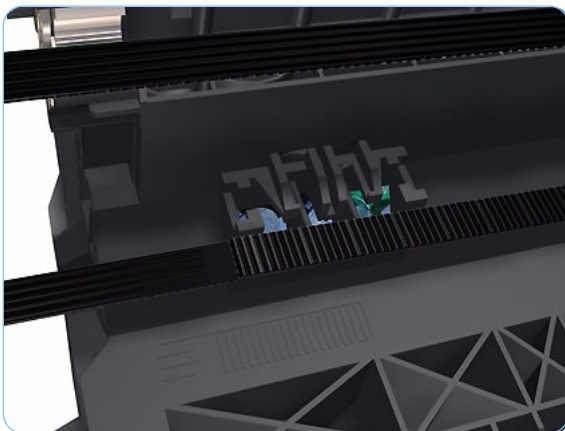
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Belt Assembly

Removal

Switch off the printer and remove the power cable.

1. Remove the Carriage Assembly (with or without Trailing Cable) (refer to page 8-95).
2. Slide the Belt Assembly out of the attachment on the Carriage Assembly.



3. Remove the pulley to release the Belt Assembly from the Belt Tensioner.



When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

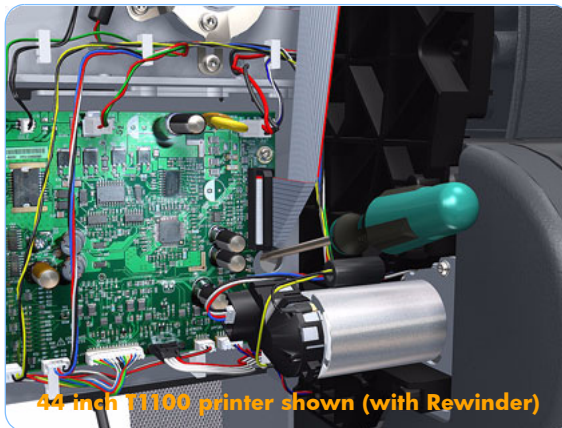
Scan-Axis Motor

Removal

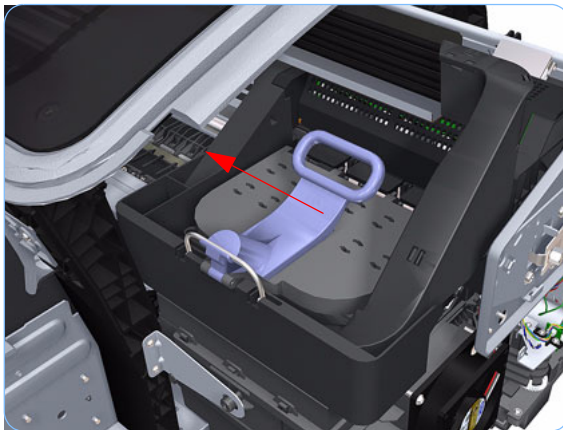
Switch off the printer and remove the power cable.

1. Remove the Right Cover (refer to page 8-23).
2. Remove the Left Cover (refer to page 8-26).
3. Loosen the T-10 uncapping screw sufficiently so you can manually move the Carriage Assembly in step 4.

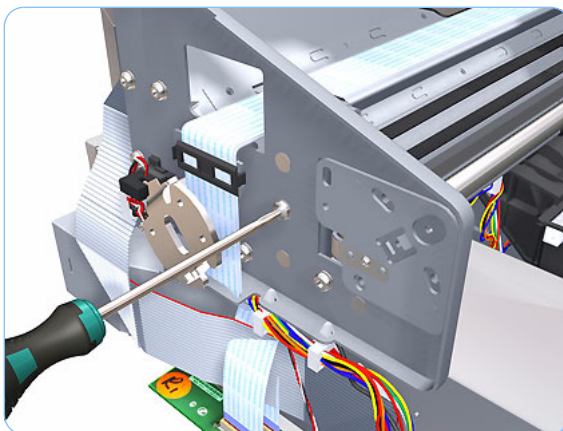
If you are uncapping a 44 inch printer, you will need to use either a very long or very short screwdriver to loosen the uncapping screw. In this way, you can loosen the screw and pass the rewinder motor.

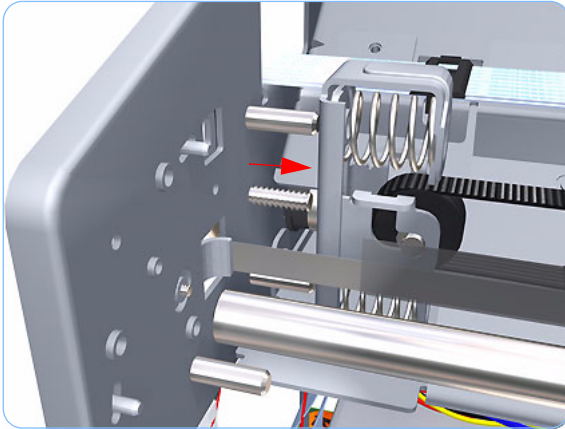


4. Push the Carriage Assembly into the print path.

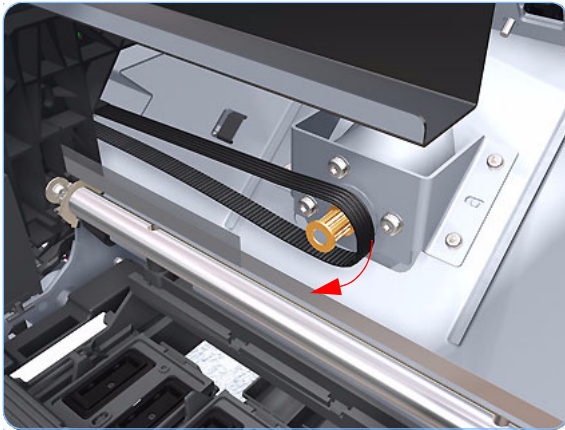


5. Loosen the T-15 screw Belt Tensioner to the printer to remove the tension from the belt.





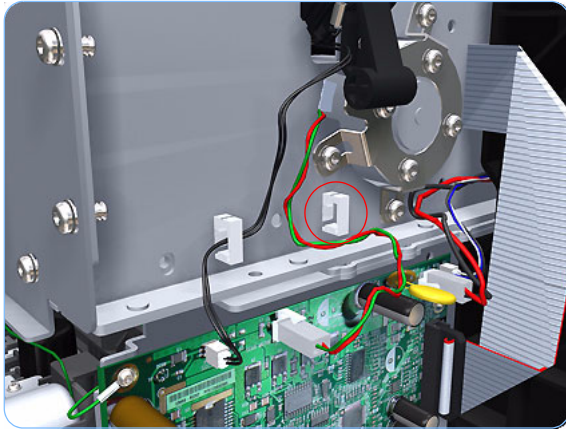
6. Leave the Belt Tensioner in place.



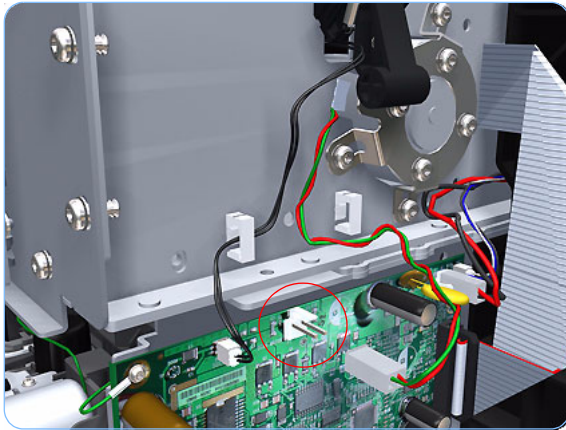
7. Remove the Belt Assembly from the drive wheel of the Scan-Axis Motor.



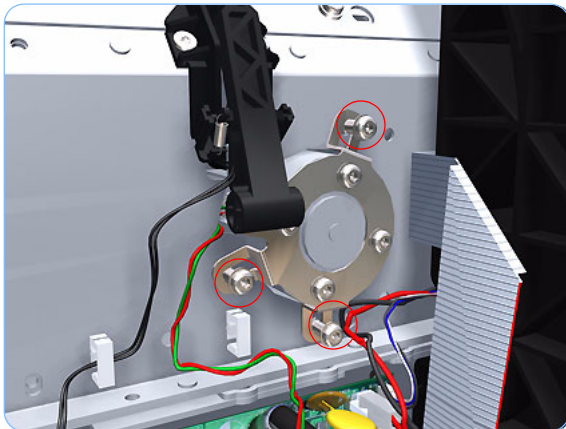
8. Remove three T-15 screws that secure the Scan-Axis Motor to the printer.



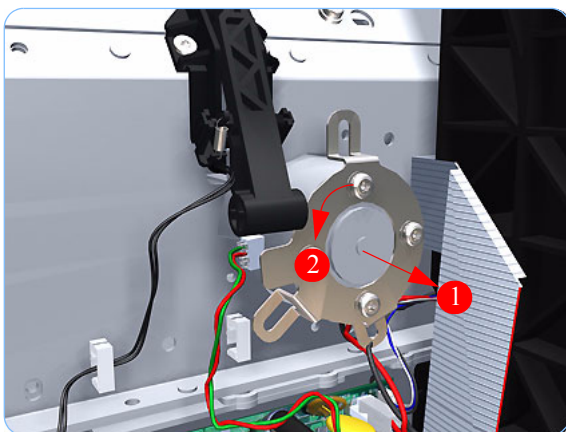
- 9.** Unroute the Scan-Axis Motor supply cable from the cable clamp.



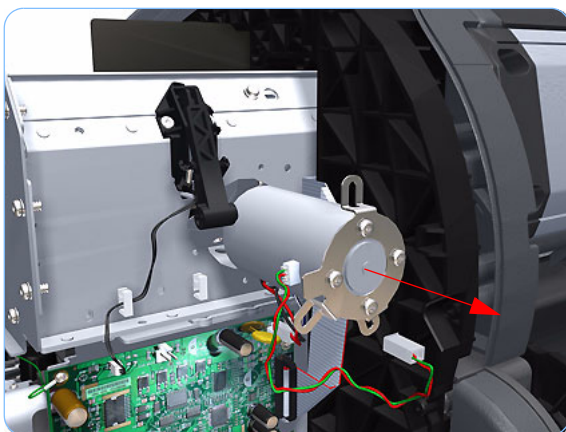
- 10.** Disconnect the Scan-Axis Motor supply connector from PrintMech PCA.



- 11.** Remove three T-15 screws that secure the Scan-Axis Motor to the printer.



- 12.** Carefully pull the Scan-Axis Motor out of the printer (10 mm) until you can rotate it approximately 30 degrees counterclockwise.



- 13.** Remove the Scan-Axis Motor from the printer.

When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Carriage Rail Oiler

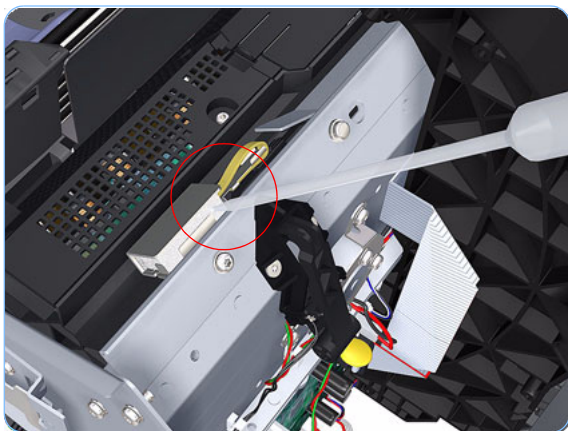
Removal

Switch off the printer and remove the power cable.

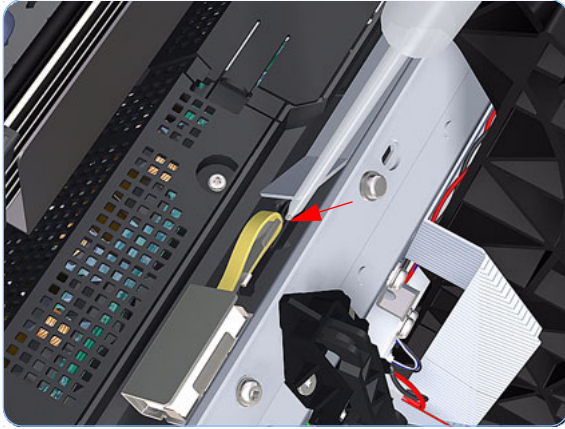
1. Remove the Right Cover (refer to page 8-23).
2. Remove the T-15 Carriage Rail Oiler attachment screw.



3. Remove the Carriage Rail Oiler from the printer.



When you reinstall the Carriage Rail Oiler, use the Oil and Oil Dispenser from the Lubrification Kit to add 2-3 drops of oil to the foam of the Carriage Rail Oiler and in the small depression of the Carriage Rear Bushing.



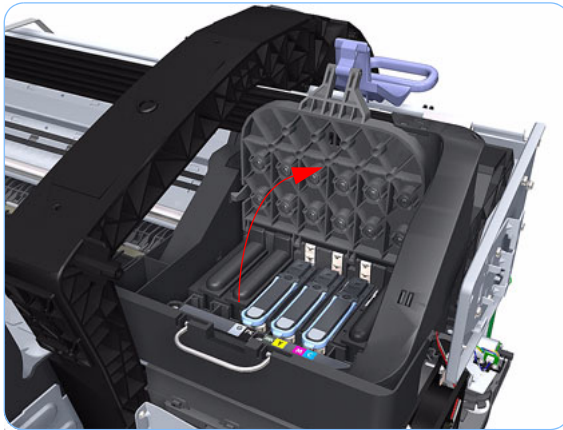
4. Add 2 or 3 drops of oil in the depression where the Slider fits.

Line Sensor

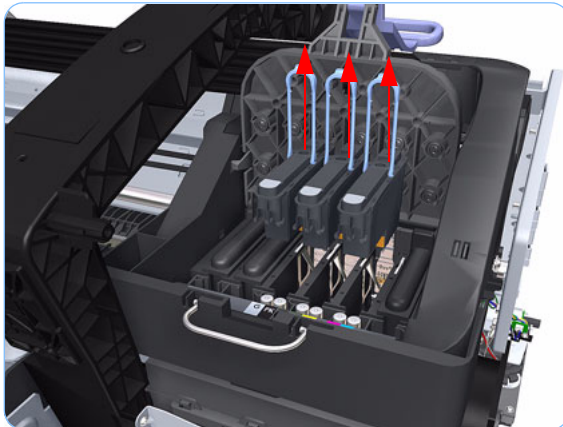
Removal

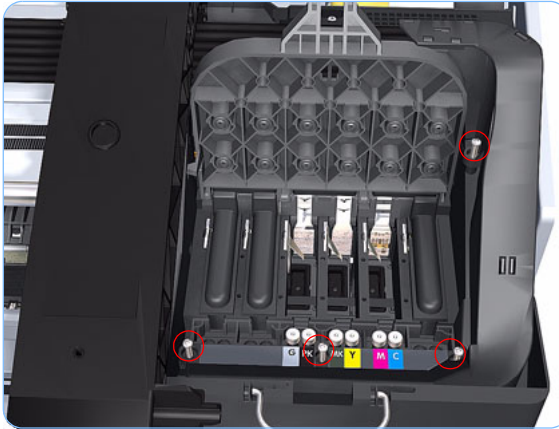
Switch off the printer and remove the power cable.

1. Remove the Right Cover (refer to page 8-23).
2. Remove the Left Cover (refer to page 8-26).
3. Remove the Front Panel (refer to page 8-43).
4. Remove the Top Cover (refer to page 8-46).
5. Remove the Window Position Sensor (refer to page 8-49).
6. Remove the Ink Supply Tubes Support Rail (refer to page 8-51).
7. Open the Carriage Cover.

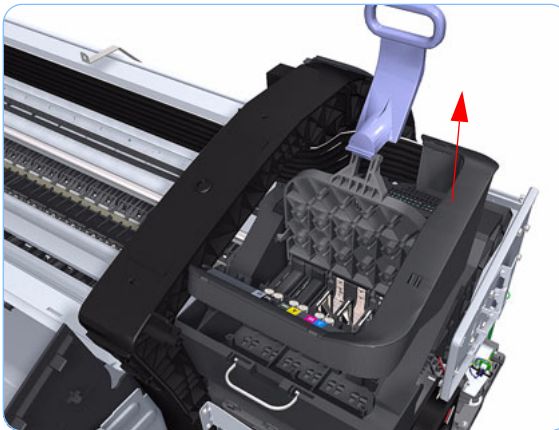


8. Remove all the Printheads.





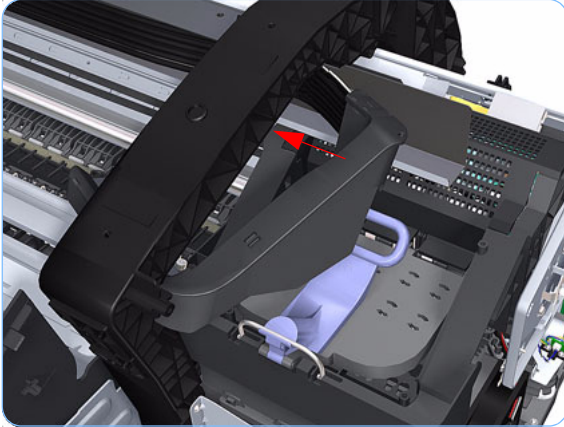
- 9.** Remove the four T-15 screws that secure the Ink Supply Tubes to the Carriage Assembly.



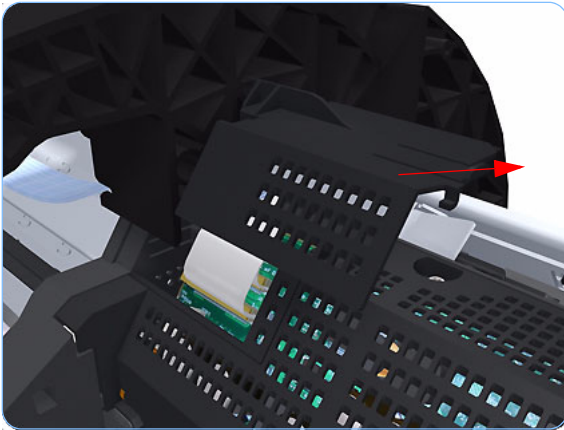
- 10.** Carefully lift out the Ink Supply Tubes and close the carriage cover at the same time.



- 11.** Close and lock the Carriage Cover.



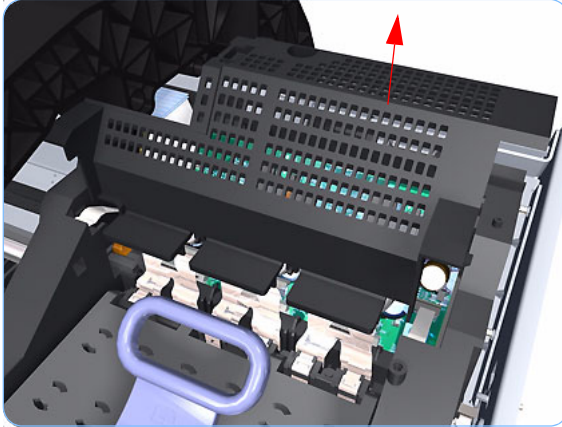
- 12.** Carefully move the Ink Supply Tubes into the print path.



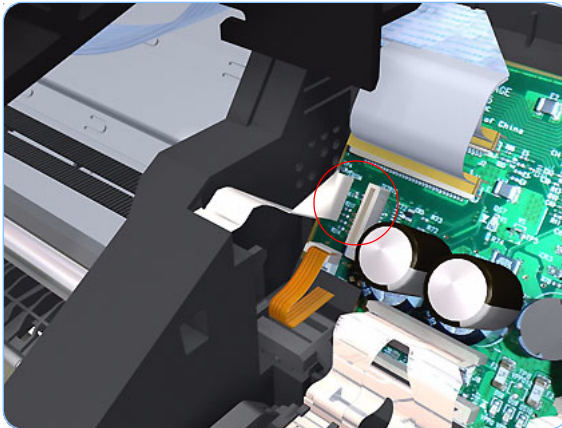
- 13.** Unclip and slide off the small cover of the Carriage Assembly Carriage PCA.



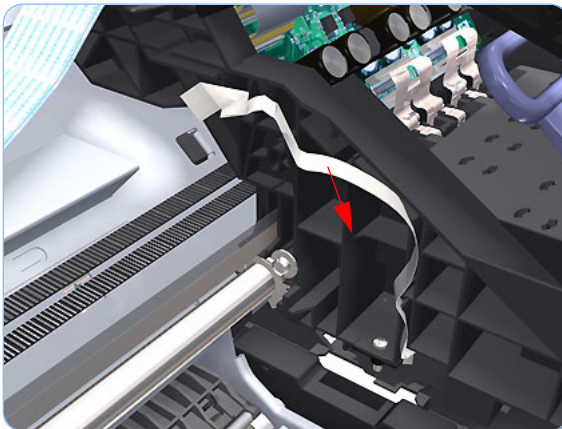
- 14.** Remove one T-15 screws that secures the large cover of the Carriage PCA.



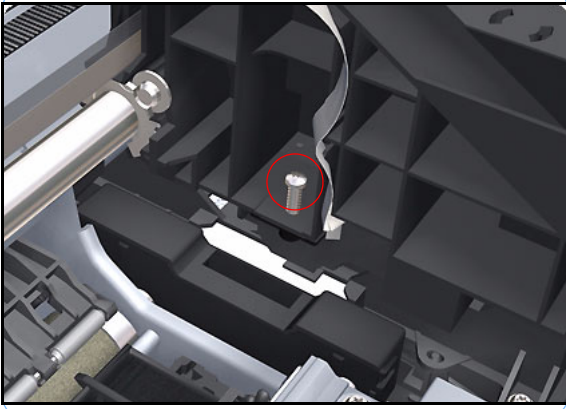
15. Remove the large cover of the Carriage PCA.



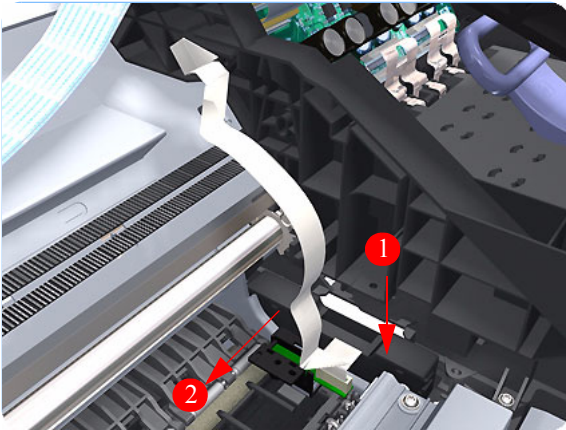
16. Disconnect the Line Sensor electrical connection from the Carriage PCA.



17. Carefully unroute the Line Sensor cable from the Carriage Assembly.



- 18.** Remove one T-10 screw that secures the Line Sensor to the Carriage Assembly.



- 19.** Remove the Line Sensor from Carriage Assembly.

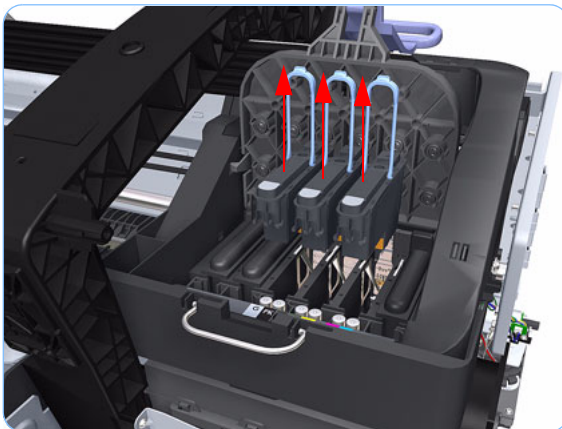
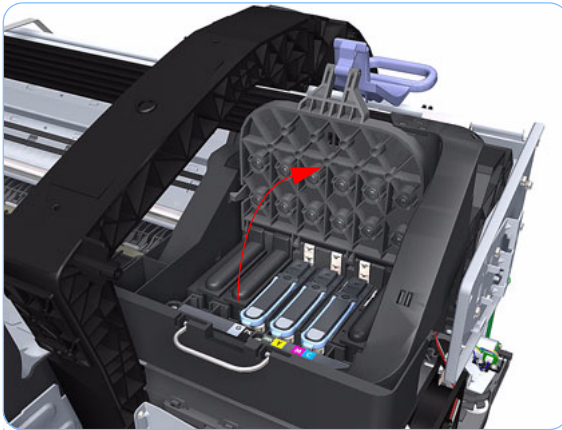
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Carriage Cover (includes Carriage Latch)

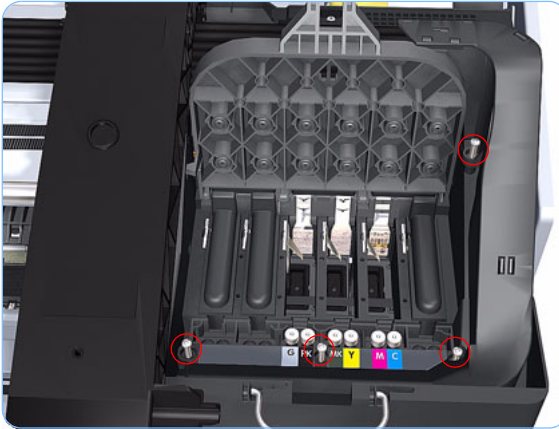
Removal

Switch off the printer and remove the power cable.

1. Remove the Right Cover (refer to page 8-23).
2. Remove the Left Cover (refer to page 8-26).
3. Remove the Front Panel (refer to page 8-43).
4. Remove the Top Cover (refer to page 8-46).
5. Remove the Window Position Sensor (refer to page 8-49).
6. Remove the Ink Supply Tubes Support Rail (refer to page 8-51).
7. Open the Carriage Cover.



8. Remove all the Printheads.



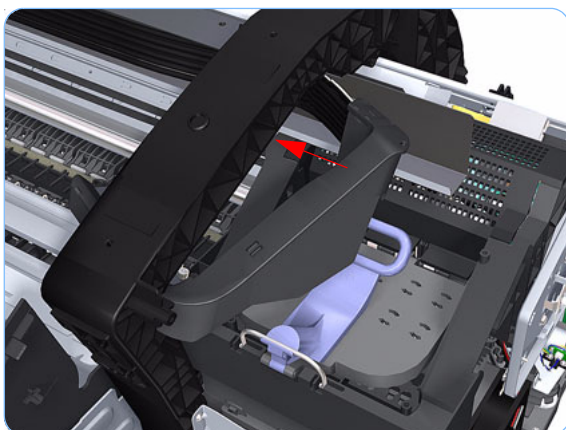
- 9.** Remove the four T-15 screws that secure the Ink Supply Tubes to the Carriage Assembly.



- 10.** Carefully lift out the Ink Supply Tubes and close the carriage cover at the same time.



- 11.** Close and lock the Carriage Cover.



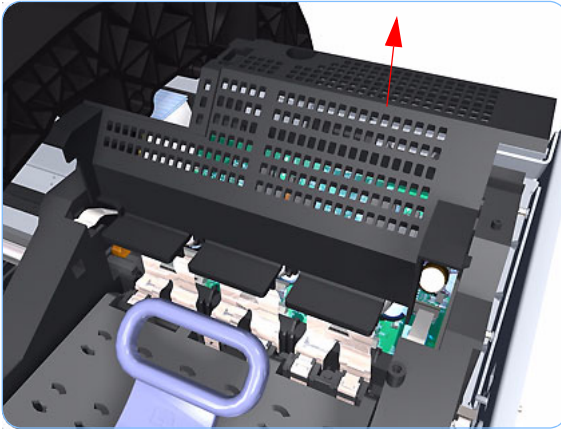
12. Carefully move the Ink Supply Tubes into the print path.



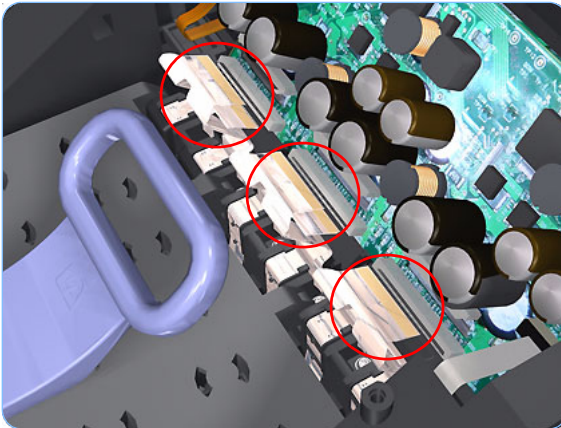
13. Unclip and slide off the small cover of the Carriage Assembly Carriage PCA.



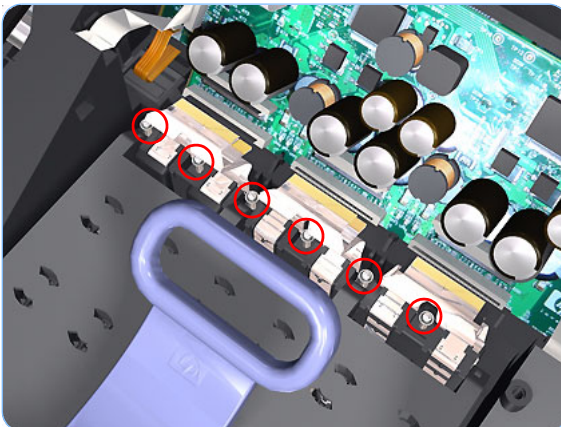
14. Remove one T-15 screws that secures the large cover of the Carriage PCA.



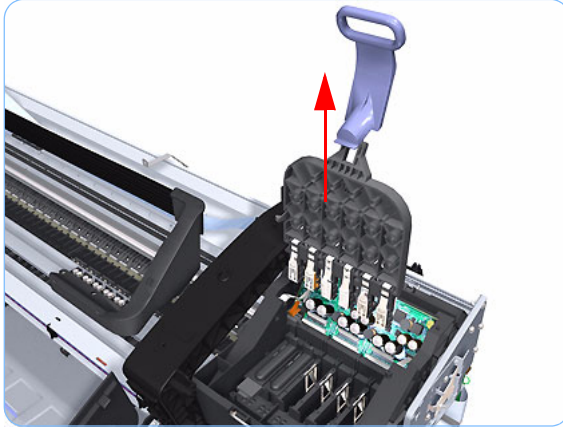
15. Remove the large cover of the Carriage PCA.



16. Disconnect the six ribbon cables of Carriage Cover from the Carriage Assembly PCB.



17. Remove six T-10 screws that secure the Carriage Assembly Cover hinge.



- 18.** Carefully lift the Carriage Cover in the vertical position to remove it from the Carriage Assembly.

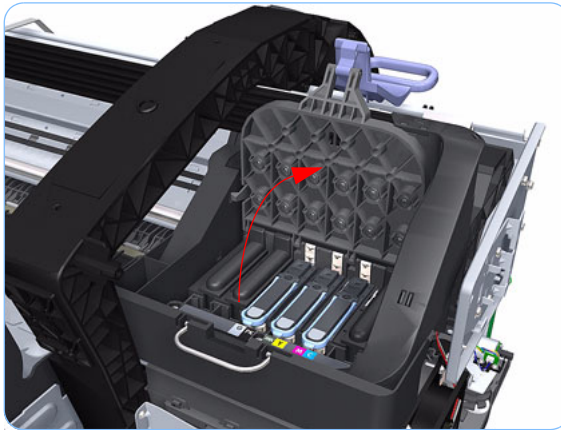
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Carriage PCA

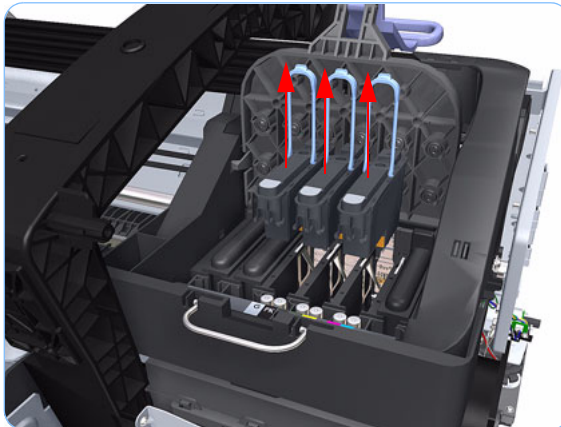
Removal

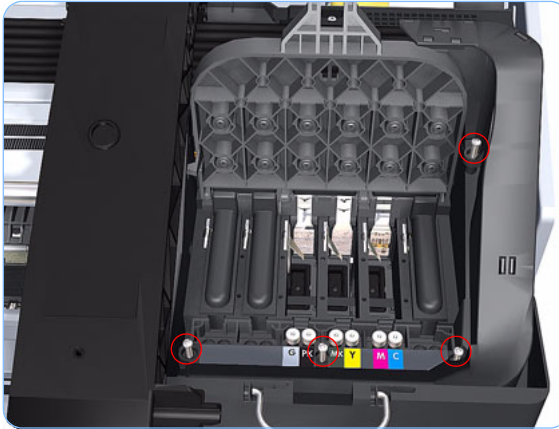
Switch off the printer and remove the power cable.

1. Remove the Right Cover (refer to page 8-23).
2. Remove the Left Cover (refer to page 8-26).
3. Remove the Front Panel (refer to page 8-43)
4. Remove the Top Cover (refer to page 8-46).
5. Remove the Window Position Sensor (refer to page 8-49).
6. Remove the Ink Supply Tubes Support Rail (refer to page 8-51).
7. Open the Carriage Cover.



8. Remove all the Printheads.





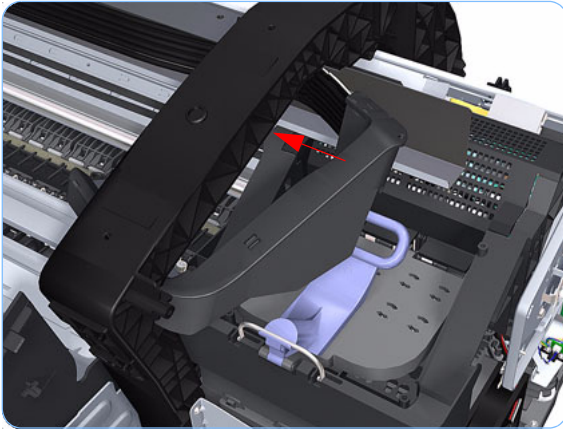
- 9.** Remove the four T-15 screws that secure the Ink Supply Tubes to the Carriage Assembly.



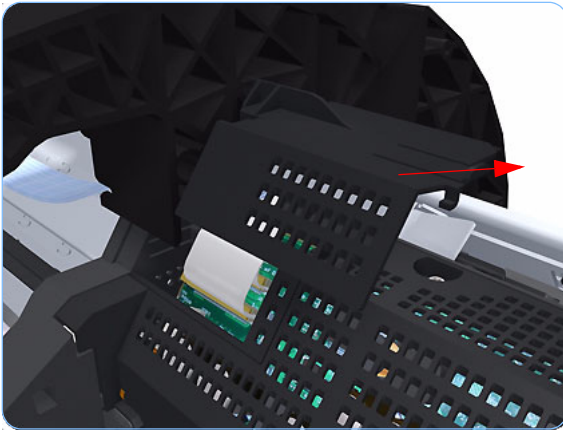
- 10.** Carefully lift out the Ink Supply Tubes and close the carriage cover at the same time.



- 11.** Close and lock the Carriage Cover.



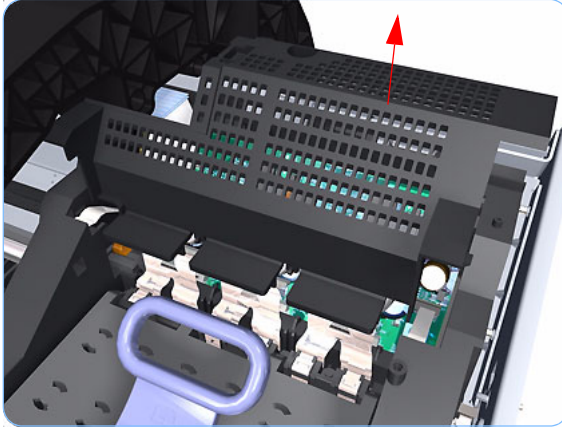
- 12.** Carefully move the Ink Supply Tubes into the print path.



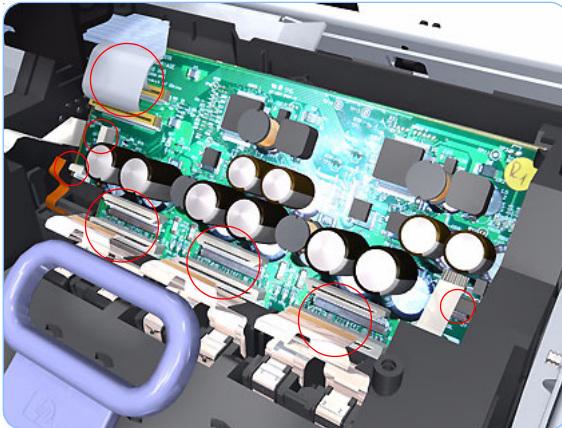
- 13.** Unclip and slide off the small cover of the Carriage Assembly Carriage PCA.



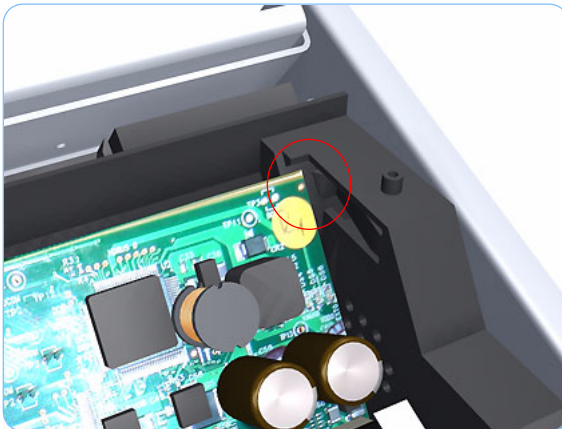
- 14.** Remove one T-15 screws that secures the large cover of the Carriage PCA.



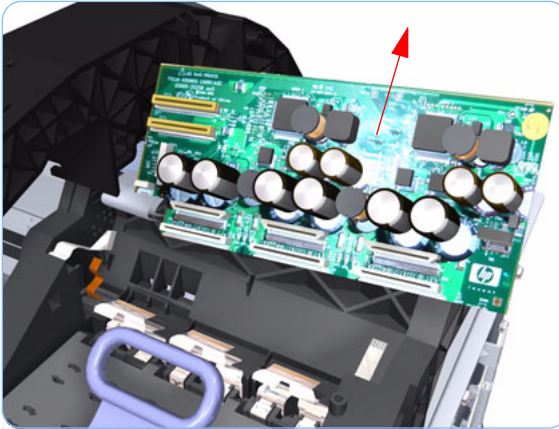
15. Remove the large cover of the Carriage PCA.



16. Disconnect the ten ribbon cables from the Carriage Assembly PCB.



17. Press the locking clip to release the Carriage Assembly PCB from the carriage.



- 18.** Remove the Carriage PCA from the carriage.

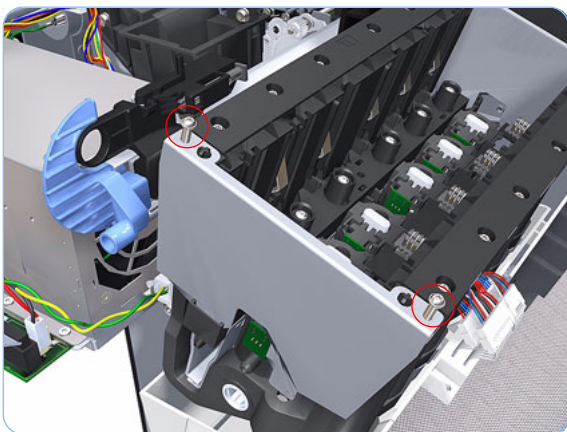
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Left Ink Supply Station

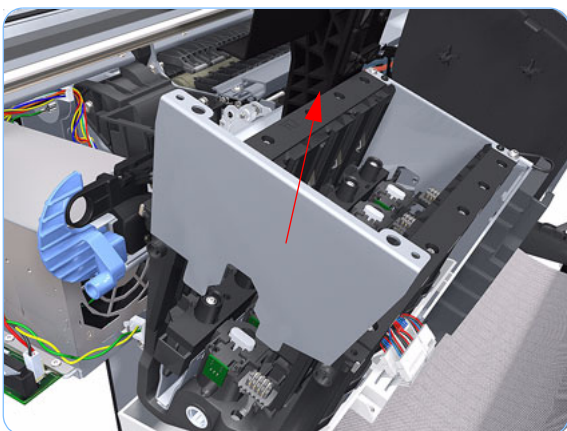
Removal

Switch off the printer and remove the power cable.

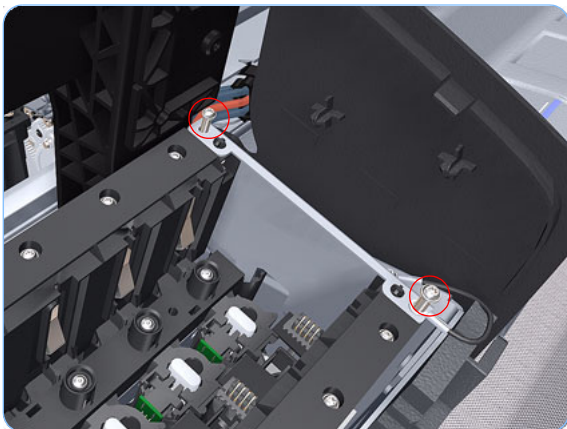
1. Remove the Left Cover (refer to page 8-26).
2. Remove two T-10 screws that secure the Left Side Plate of the Left Ink Supply Station.

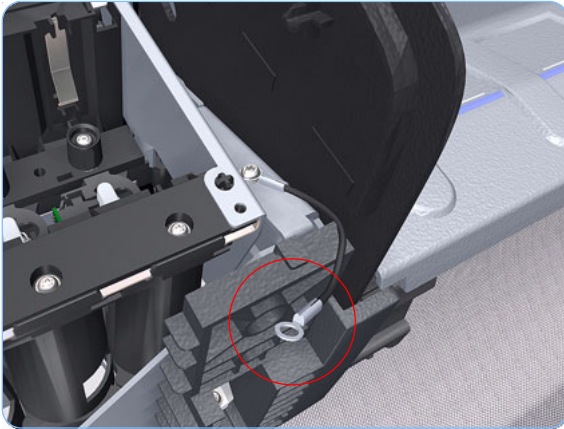


3. Remove the Left Side Plates of the Left Ink Supply Station.

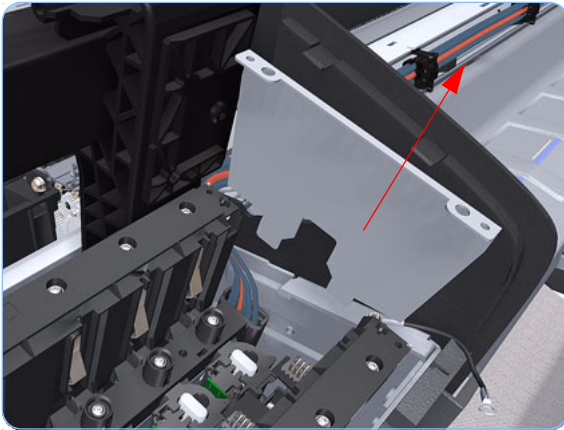


4. Remove two T-10 screws that secure the Right Side Plate of the Left Ink Supply Station.

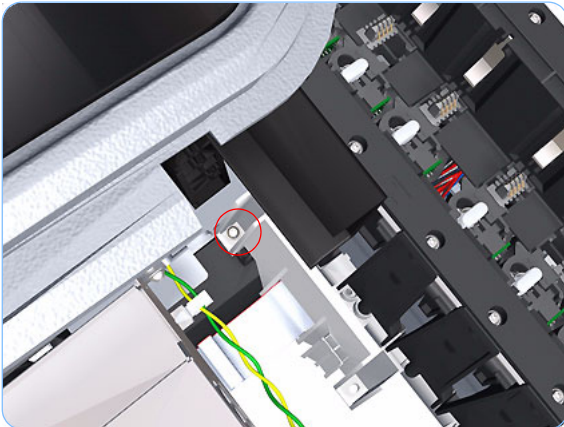




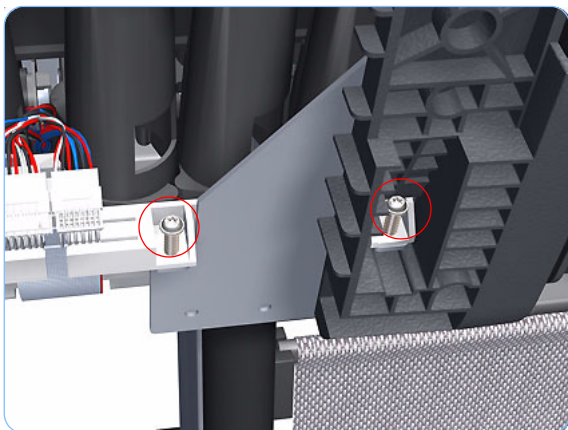
- 5.** Remove the Left Ink Supply Station bonding cable.



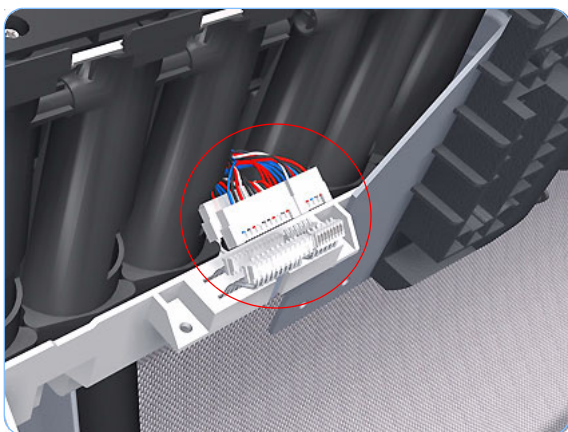
- 6.** Remove the Right Side Plate of the Left Ink Supply Station.



- 7.** Remove the T-15 screw that secures the Left Ink Supply Station to the printer.

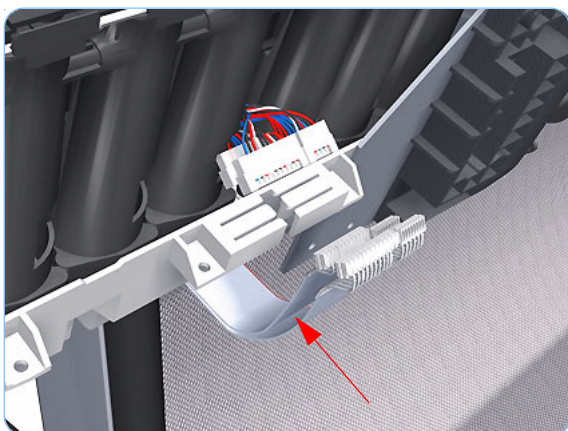


8. Remove the two T-15 screws that secure the Left Ink Supply Station to the printer.

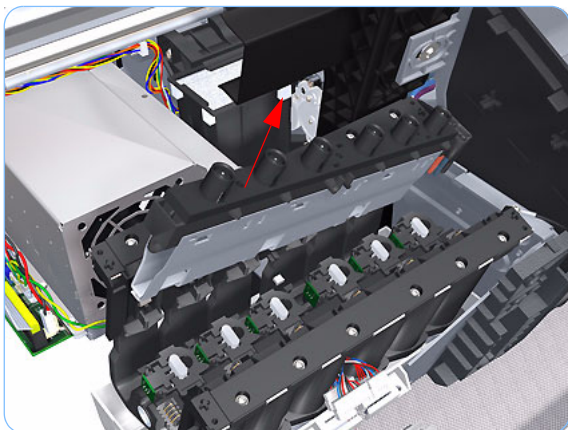


9. Disconnect the three connectors from the Left Ink Supply Station.

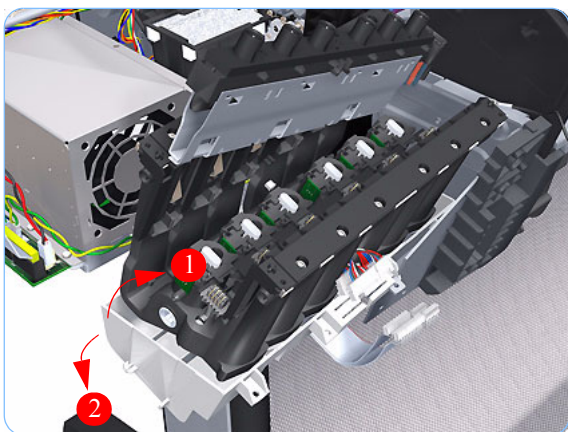
If you need to change the ISS Harness Cable, make sure you keep the previously used plastic connector. The new cable will arrive with a female end, which you will replace with the existing male end.



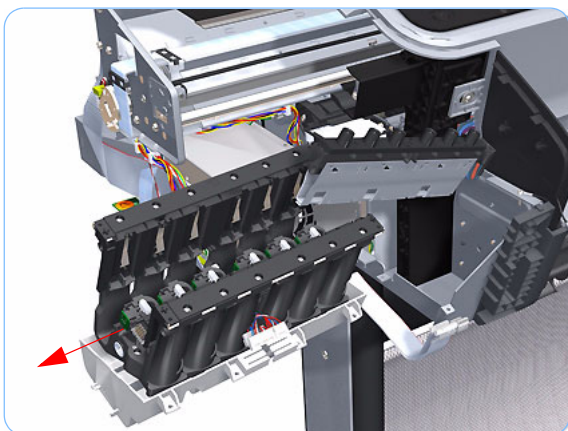
10. Unroute the three cables from the Left Ink Supply Station.



11. Carefully lift the Cartridge Tubes Connector out of the Left Ink Supply Station.



12. Carefully lift the Left Ink Supply Station enough so that you can rotate it counterclockwise to release the front attachment from the printer.



13. Carefully lift the Left Ink Supply Station completely out of the printer.

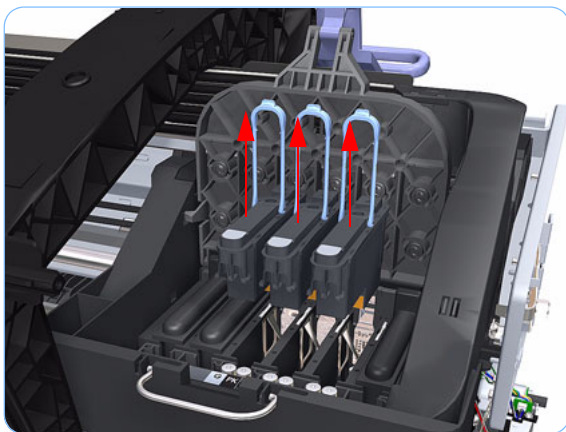
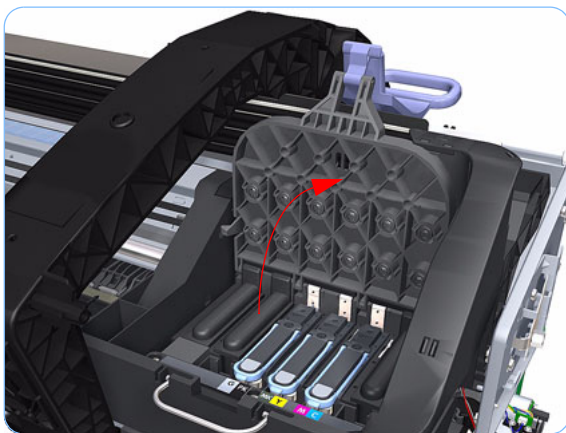
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Ink Supply Tubes

Removal

Switch off the printer and remove the power cable.

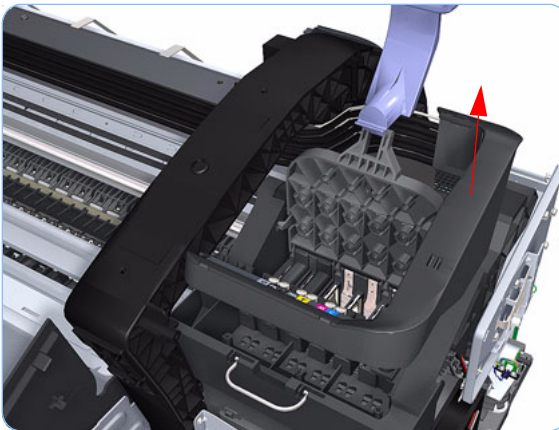
1. Remove the Right Cover (refer to page 8-23).
2. Remove the Left Cover (refer to page 8-26).
3. Remove the Front Panel (refer to page 8-43).
4. Remove the Top Cover (refer to page 8-46).
5. Open the Carriage Cover.



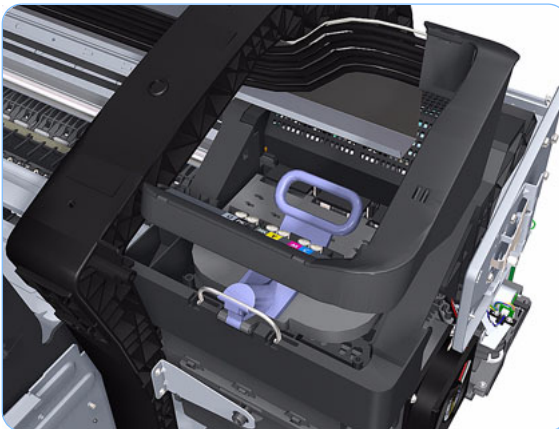
6. Remove all the Printheads.



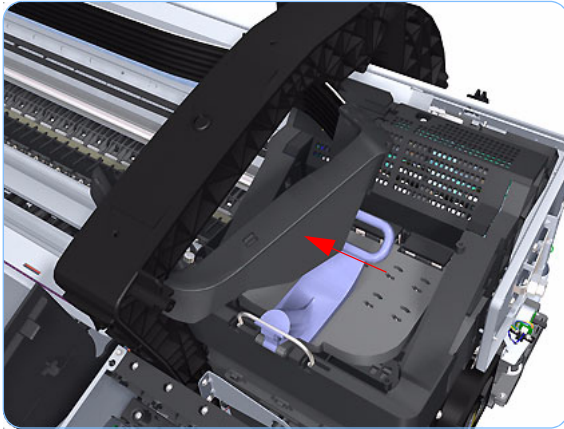
7. Remove the four T-15 screws that secure the Ink Supply Tubes to the Carriage Assembly.



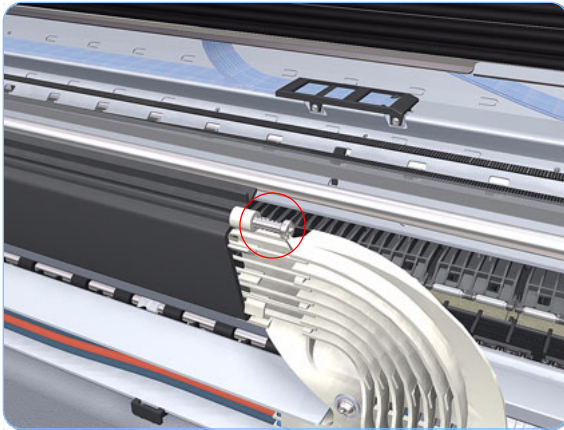
8. Carefully lift out the Ink Supply Tubes and close the carriage cover at the same time.



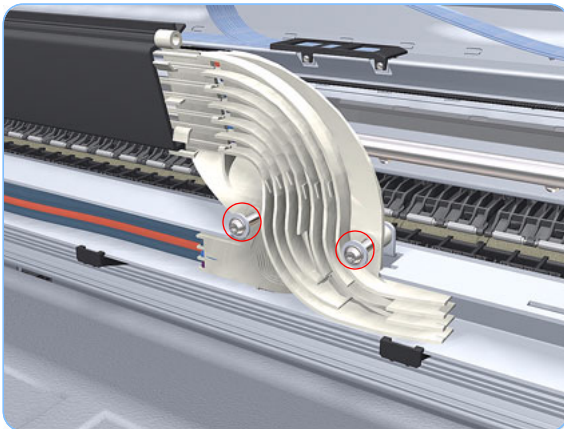
9. Close and lock the Carriage Assembly cover.



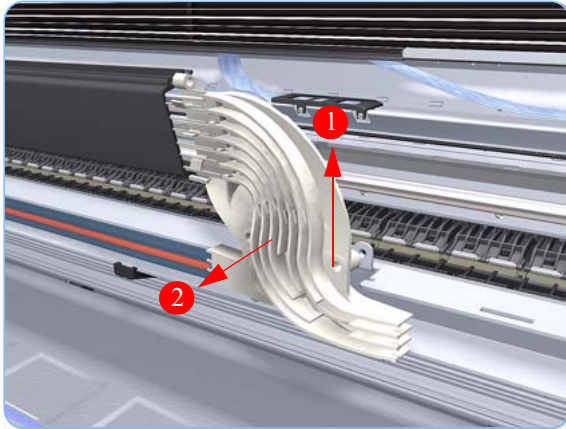
10. Carefully feed the Ink Supply Tubes into the print path area.



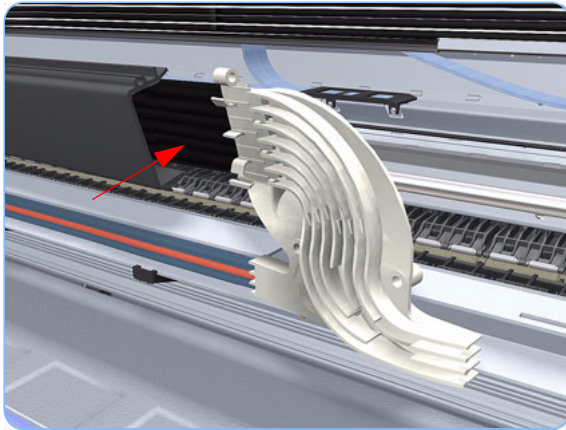
11. Remove the top T-15 screw that secures Ink Supply Tubes guide to the printer.



12. Remove the two front T-15 screws that secure Ink Supply Tubes guide to the printer.



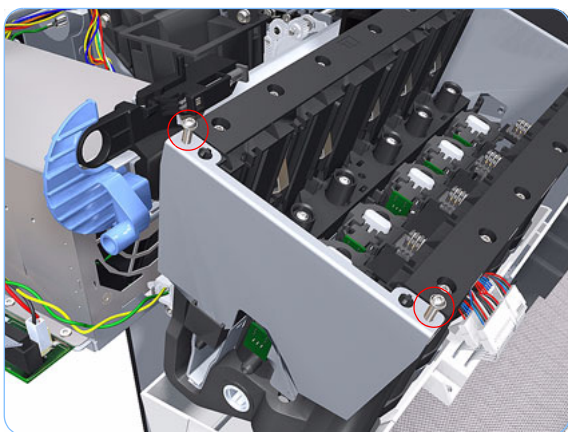
- 13.** Carefully lift the Ink Supply Tubes guide enough until you can slide it forwards out of the printer.



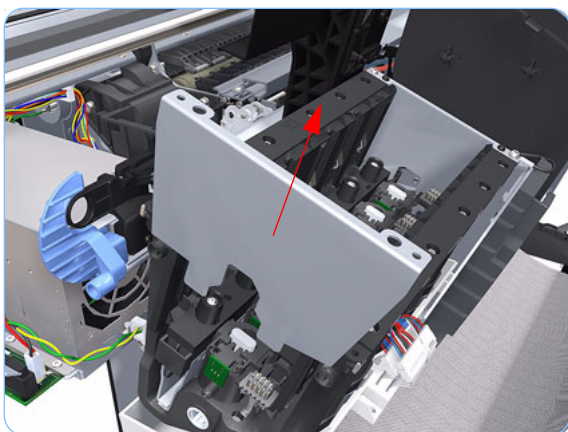
- 14.** Gently move the Ink Supply Tubes from the printer.



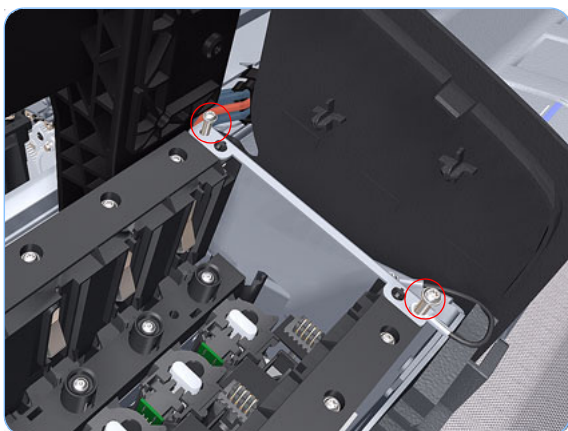
- 15.** Use a flat bladed screwdriver to release all the Ink Supply Tubes clamps from the printer.



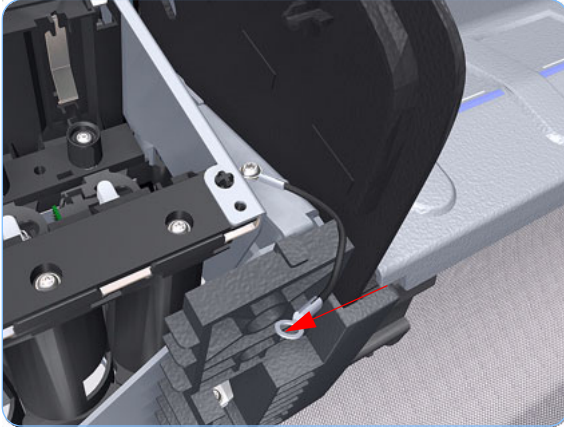
- 16.** Remove two T-10 screws that secure the left Side Plate of the Left Ink Supply Station.



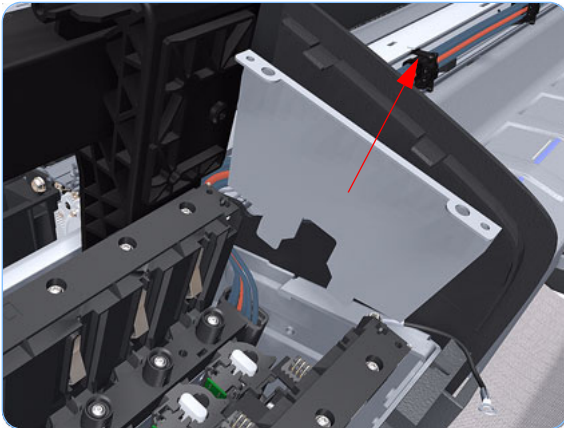
- 17.** Remove the left Side Plate of the Left Ink Supply Station.



- 18.** Remove two T-10 screws that secure the right Side Plate of the Left Ink Supply Station.



19. Remove the Left Ink Supply Station bonding cable.



20. Remove the right Side Plate of the Left Ink Supply Station.



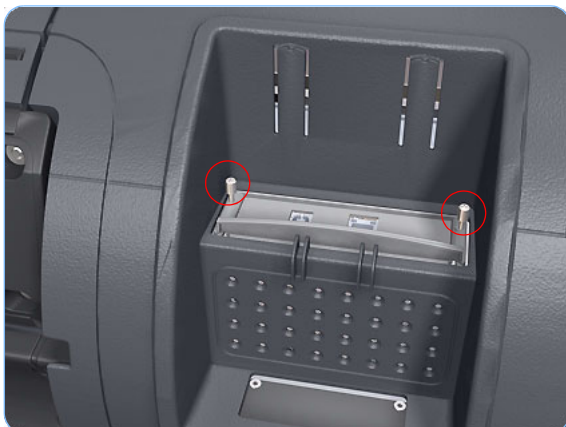
21. Carefully lift the Ink Supply Tubes out of the printer.

When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Formatter

Removal

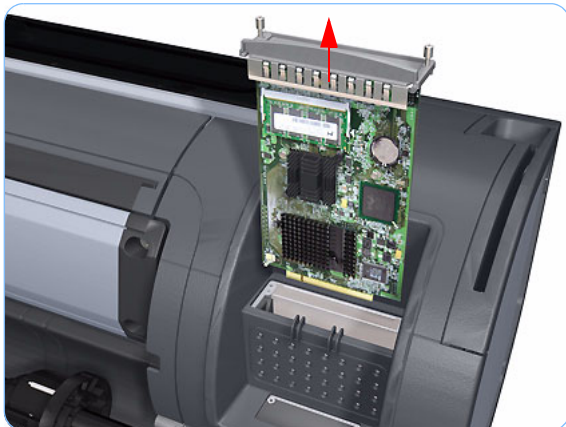
Switch off the printer and remove the power cable.



1. Fully loosen the two locking thumbscrews that secure the Formatter in the printer.



1. Begin lifting the Formatter from the printer. Push the clips and provide upward force at the same time.



2. Lift the Formatter out of the printer.

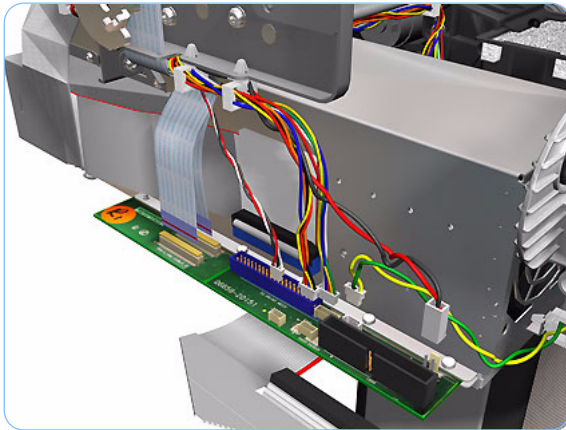
When you install a new formatter follow the instructions provided on the Flyer that accompanies it to set up the printer.

Electronics Module (Main PCA and PSU)

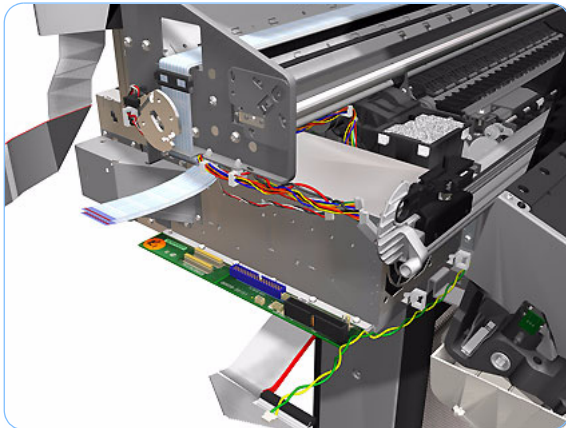
Removal

Switch off the printer and remove the power cable.

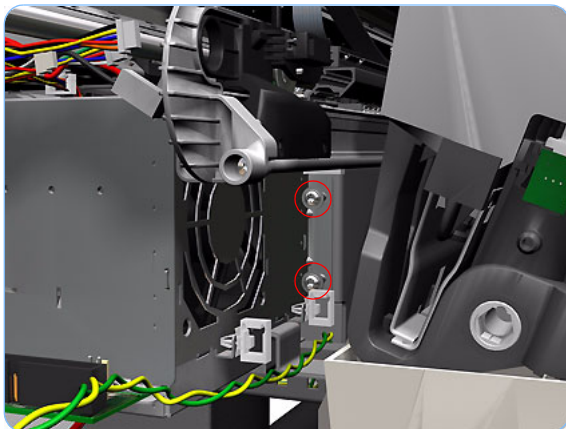
1. Remove the Left Cover (refer to page 8-26).
2. Disconnect all the connectors on the Electronics Module.

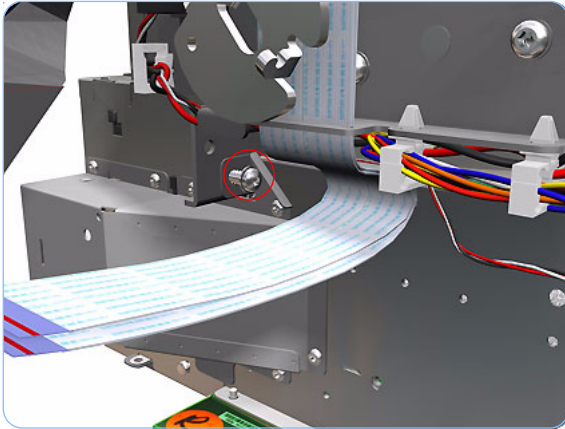


3. Unroute all the cables disconnected in the previous step.

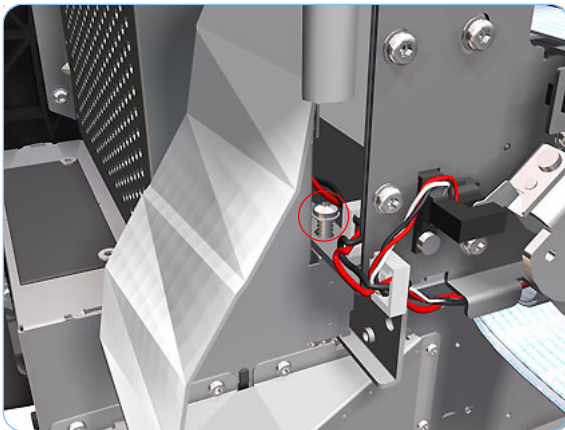


4. Remove two T-15 screws that secure the Electronics Module to the Printer.

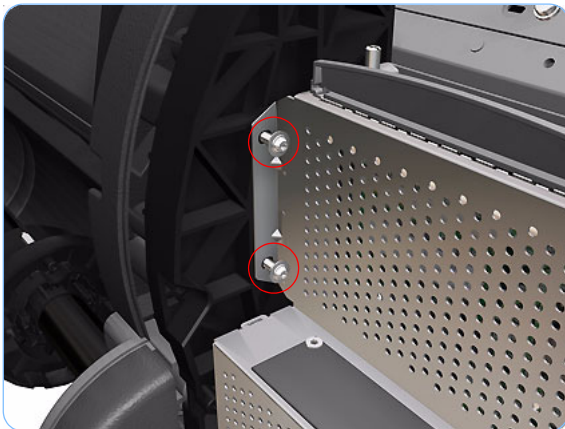




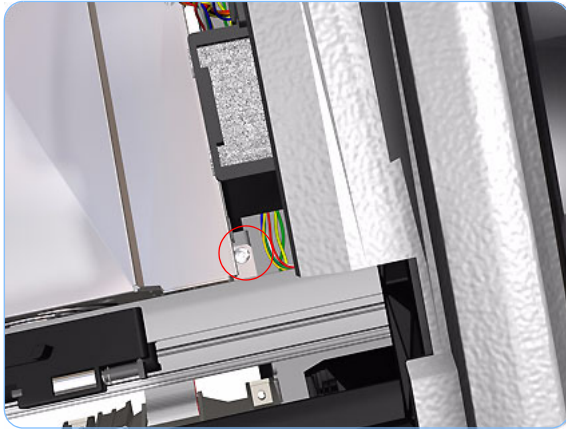
- 5.** Remove one T-15 screw that secures the Electronics Module to the Printer.



- 6.** Remove one T-15 screw that secures the Electronics Module to the Printer.



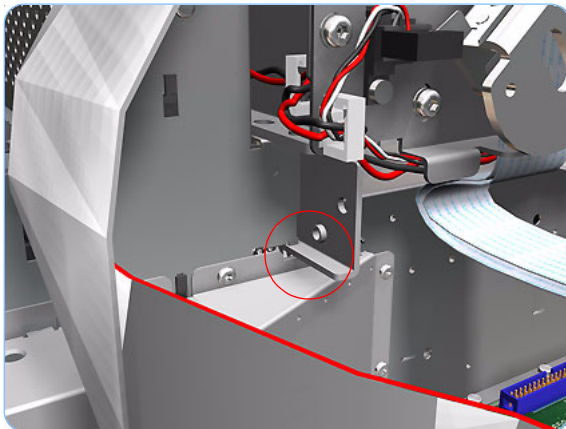
- 7.** Remove two T-15 screws that secure the Electronics Module to the Printer.



8. Remove one T-15 screw that secures the Electronics Module to the printer.



9. Carefully lift the Electronics Module out of the printer.



When you install the Electronics Module make sure it is correctly aligned with the mounting rail.

When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Starwheel Assembly

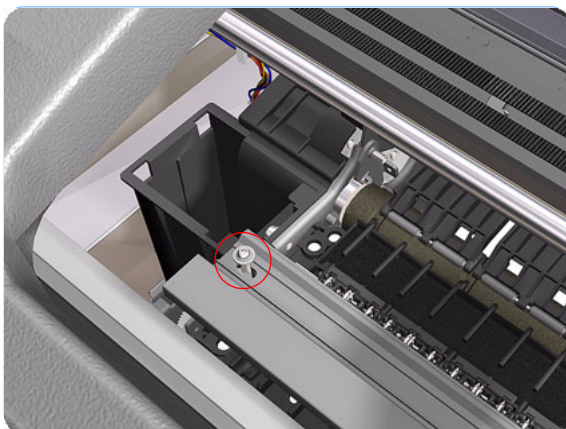
Removal

Switch off the printer and remove the power cable.

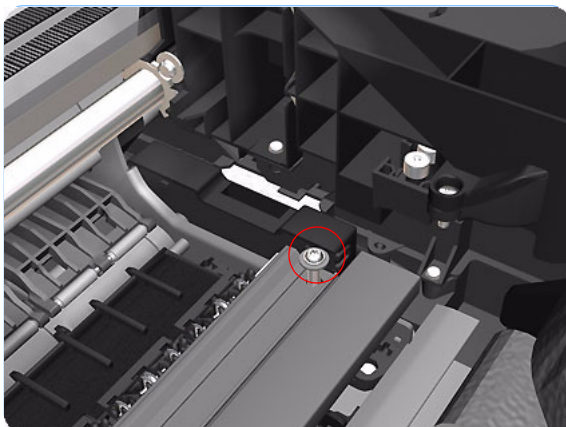
1. Open the Window.

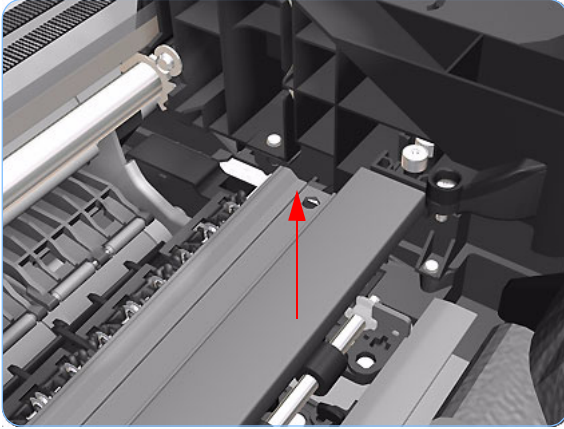


2. Remove one T-10 screw that secures the Starwheel Assembly to the Printer.



3. Remove one T-10 screw that secures the Starwheel Assembly to the Printer.





4. Carefully lift the Starwheel Assembly out of the printer.

When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

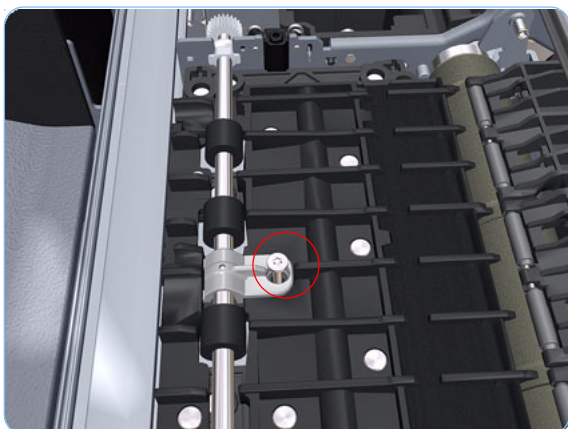
Print Zone Overdrive

Removal

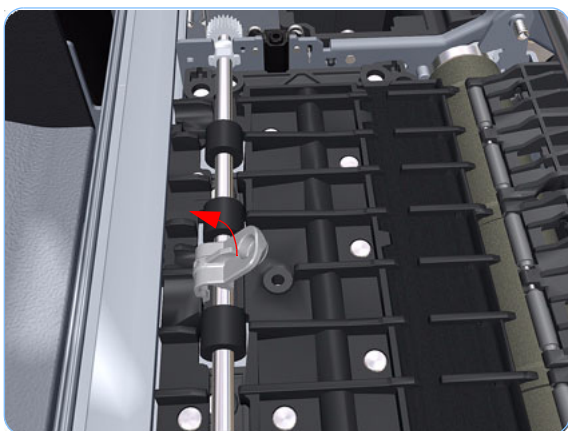
Switch off the printer and remove the power cable.

1. Remove the Starwheel Assembly (refer to page 8-144).

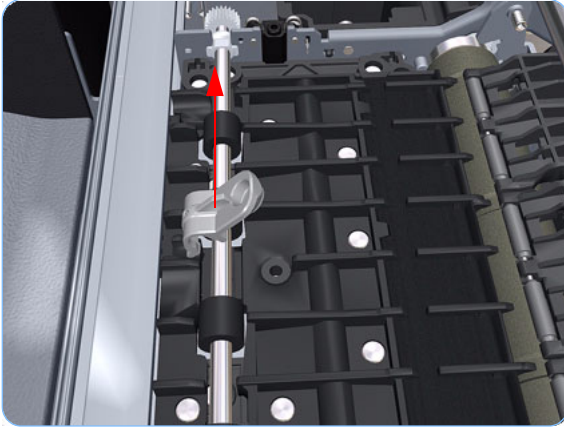
The Print Zone Overdrive is in two sections (left and right). This procedure describes the removal of both of the sections. If you only want to remove one of the sections skip the steps for the other section.



2. Remove one T-15 screw that secures the left clamp of the Print Zone Overdrive to the Platen.



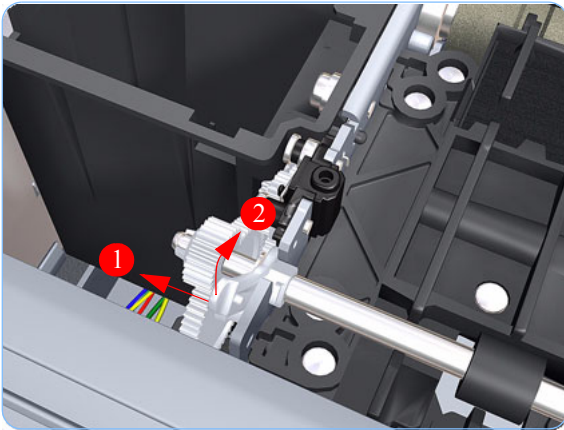
3. Lift attachment clamp vertically to release it from the Platen.



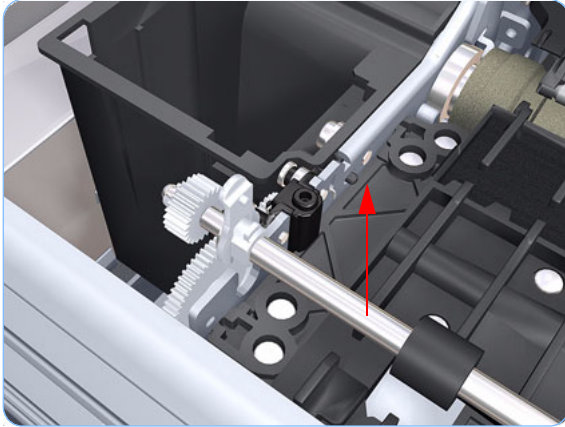
4. Remove the clamp.



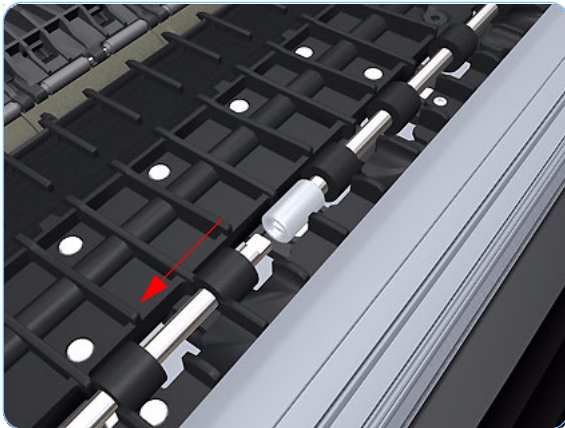
5. Repeat steps 2 to 4 to remove the remaining five attachment clamps.



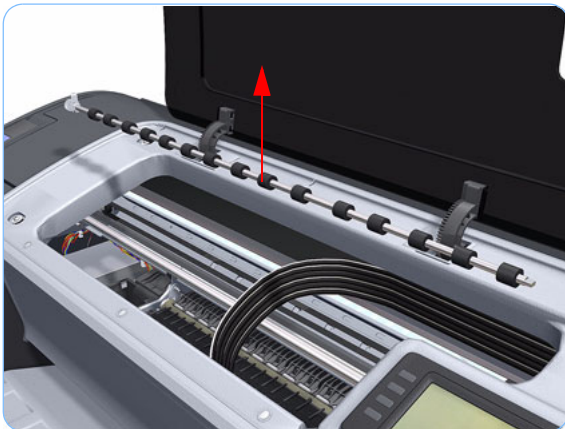
6. Use a flat bladed screwdriver to unclip the left Print Zone Overdrive retaining clip and rotate the clip vertically.



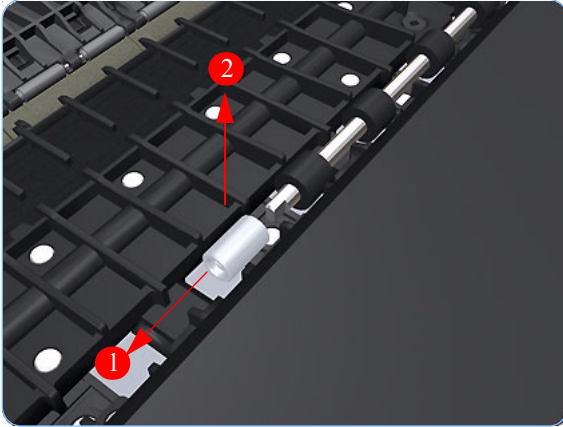
- 7.** Carefully lift the left Print Zone Overdrive enough (10 mm) so you can slide it to the left.



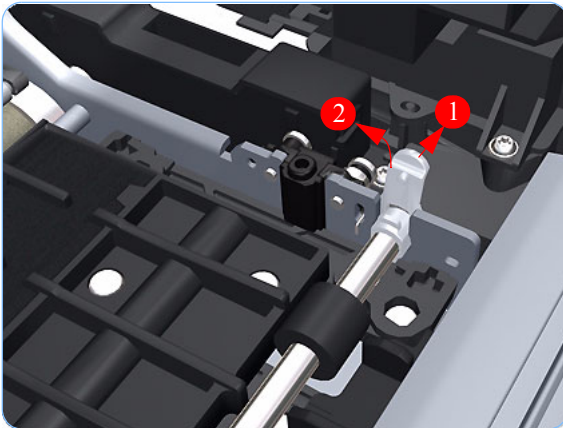
- 8.** Slide the left Print Zone Overdrive to the left disengage the center coupling.



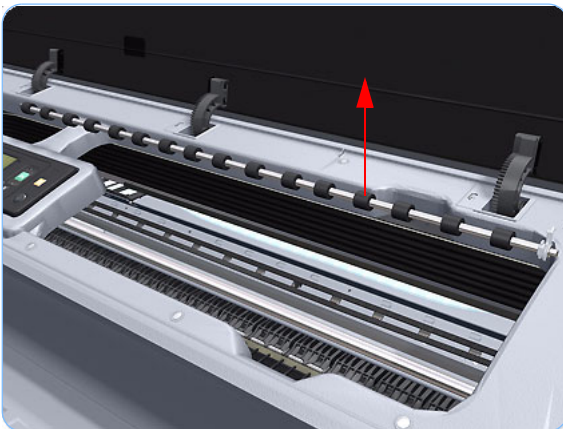
- 9.** Carefully left Print Zone Overdrive out of the printer.



10. Remove the center coupling.



11. Use a flat bladed screwdriver to unclip the left Print Zone Overdrive retaining clip and rotate the clip vertically.



12. Carefully lift the right Print Zone Overdrive out of the printer.

When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

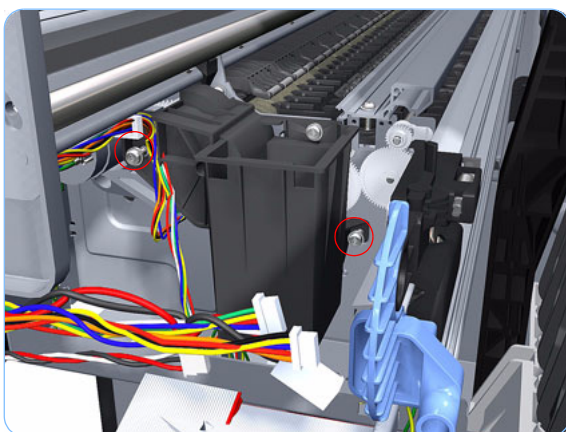
Left Spittoon

Removal

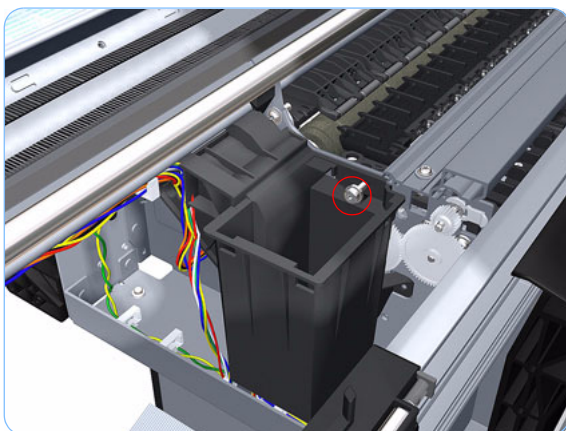
This procedure describes how to remove the complete Left Spittoon which is necessary to gain access to other components.

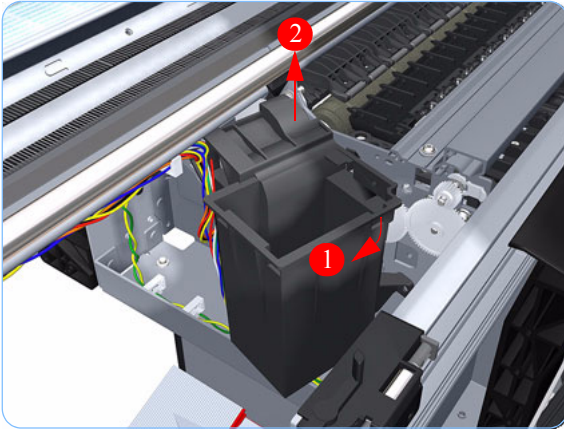
Switch off the printer and remove the power cable.

1. Remove the Left Cover (refer to page 8-26).
2. Remove the Electronics Module (Main PCA and PSU) (refer to page 8-141).
3. Remove two T-8 screws that secure the Left Spittoon to the printer.



4. Remove one T-10 screw that secures the Left Spittoon to the printer.





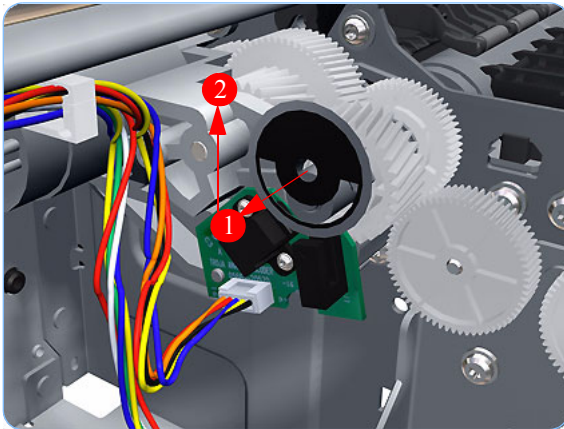
5. Rotate the Left Spittoon clockwise approximately 45 degrees and carefully lift it out of the printer.

Encoder Disk and Encoder Sensor

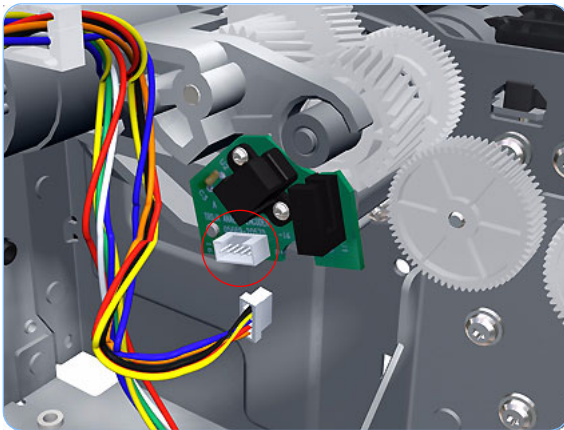
Removal

Switch off the printer and remove the power cable.

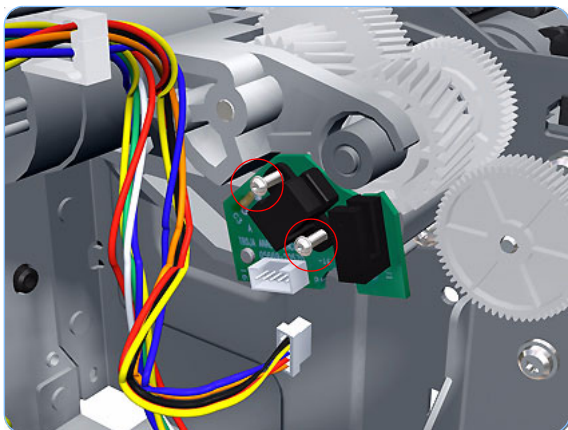
1. Remove the Left Cover (refer to page 8-26).
2. Remove the Electronics Module (Main PCA and PSU) (refer to page 8-141).
3. Remove the Left Spittoon (refer to page 8-150).
4. Remove the Encoder Disk straight off Media Advance Roller spindle, lift it straight out of the printer.



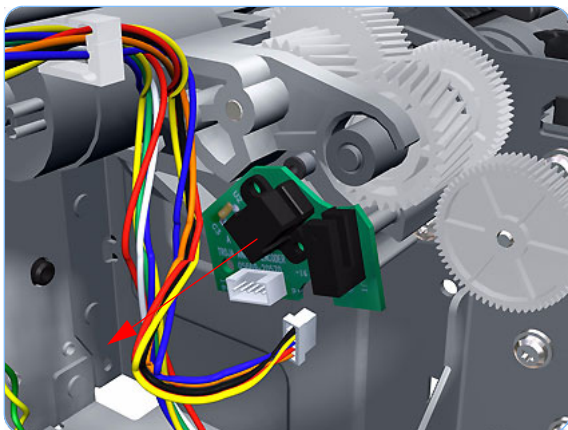
The Media Advance Roller spindle is delicate. Remove the Encoder Disk gently.



5. Disconnect the Encoder Sensor connector.



6. Remove two T-6 screws that secure the Encoder Sensor to the Media Advance Drive.



7. Remove the Encoder Sensor PCA from the printer.

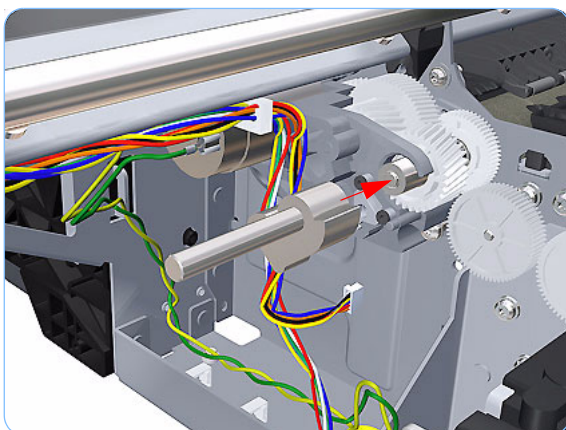
Installation

When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

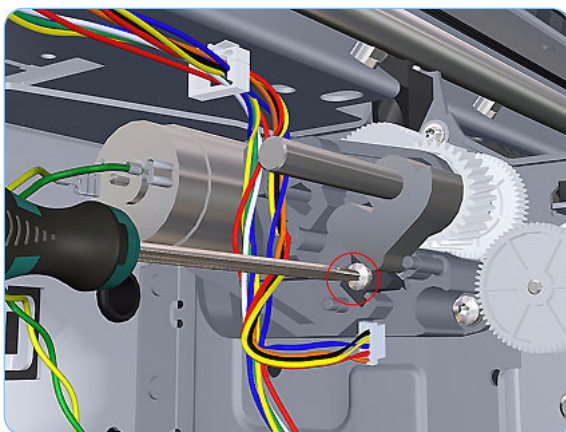
When you replace the Encoder Disk, clean it with the alcohol included in the toolkit.

If you are installing the Encoder Sensor after replacing the Media Advance Drive with a new unit, you will need to adjust the Encoder Sensor position on the Media Advance Drive. To do this you will need Media Advance Drive Adjustment Tool from the HP Designjet T1100/T1100ps/T610 Printer Tool Kit (Q6683-67001).

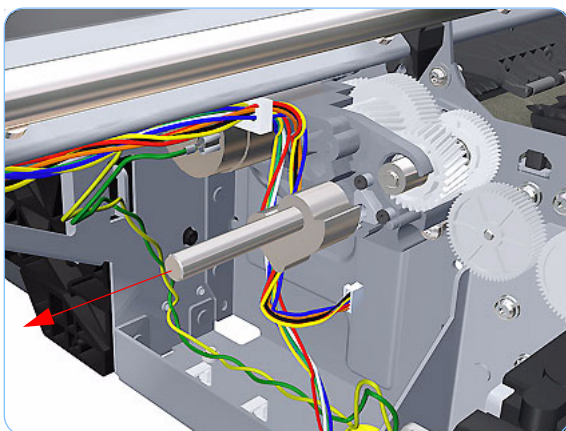
1. If you are installing the Encoder Sensor after replacing the Media Advance Drive with a new unit, first fully loosen the Encoder Sensor position adjustment screw. Ignore this step if you are replacing the previously removed Media Advance Drive.



- 2.** Position the Media Advance Drive Adjustment Tool on the end Media Advance Roller shaft, push it firmly onto the shaft and maintain a constant pressure to ensure it is flush to the Media Advance Drive.



- 3.** While still maintaining pressure on the Media Advance Drive Adjustment Tool, fully tighten the Encoder Sensor position adjustment screw.



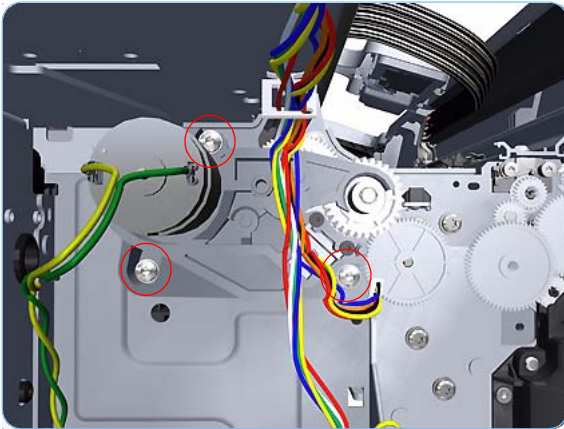
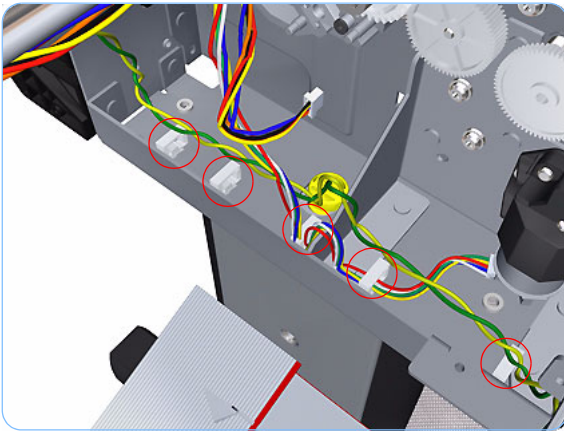
- 4.** Remove the Media Advance Drive Adjustment Tool.
- 5.** Complete the installation of the Encoder Sensor and a new Encoder Disk.

Media Advance Drive

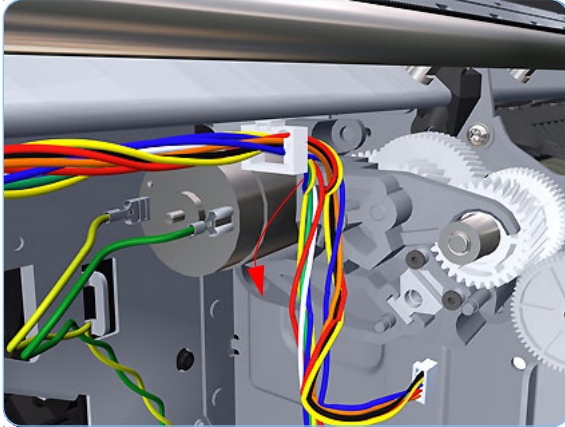
Removal

Switch off the printer and remove the power cable.

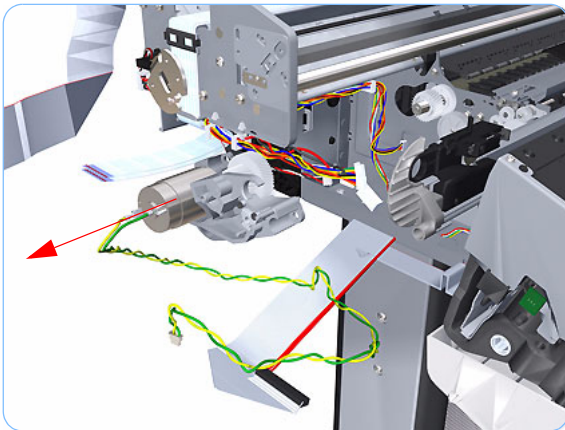
1. Remove the Left Cover (refer to page 8-26).
2. Remove the Electronics Module (Main PCA and PSU) (refer to page 8-141).
3. Remove the Left Spittoon (refer to page 8-150).
4. Remove the Encoder Disk and Encoder Sensor (refer to page 8-152).
5. Unroute the Media Advance Drive power cable.



6. Remove three T-15 screws that secure the Media Advance Drive to the printer.



- 7.** Grip the motor housing of the Media Advance Drive and gently pull it towards you sufficiently to allow you disengage the Media Advance Drive from printer.

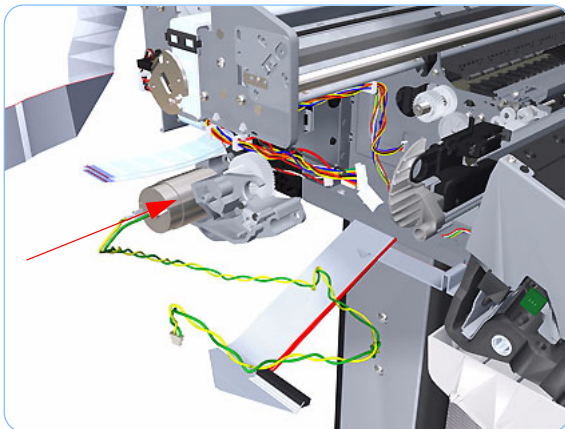


- 8.** Carefully lift the Media Advance Drive out of the printer.

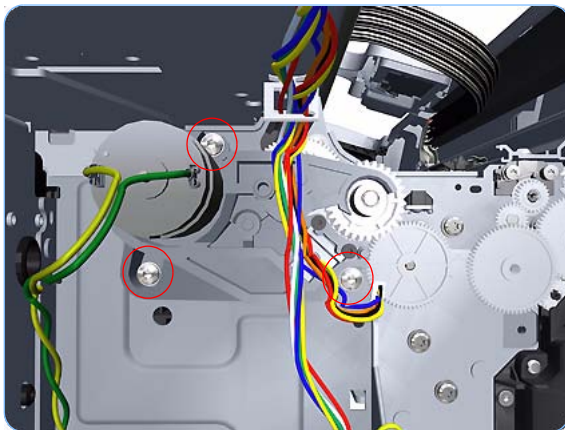
Installation

When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

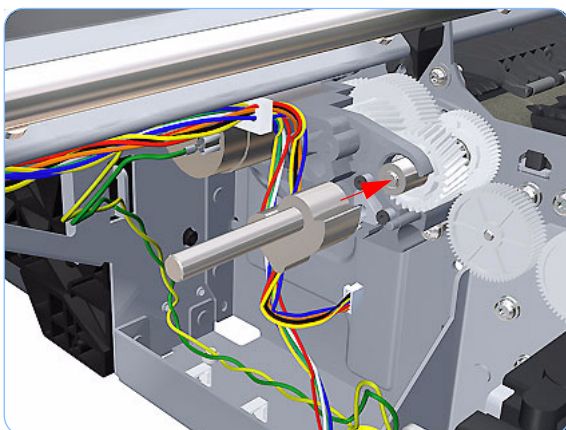
Use the following procedure to install and correctly adjust a new Media Advance Drive. You will need Media Advance Drive Adjustment Tool from the HP Designjet /T1100/T1100ps/T610 Printer Tool Kit (Q6683-67001). If you are installing the Encoder Sensor after replacing the Media Advance Drive with a new unit, you will need to adjust the Encoder Sensor position on the Media Advance Drive (refer to page 8-155).



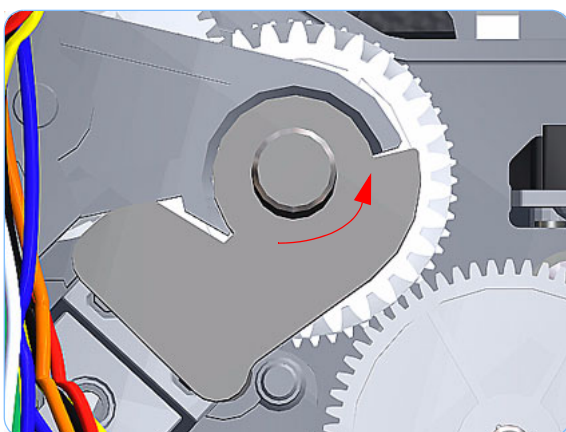
1. Carefully position the Media Advance Drive in the printer.



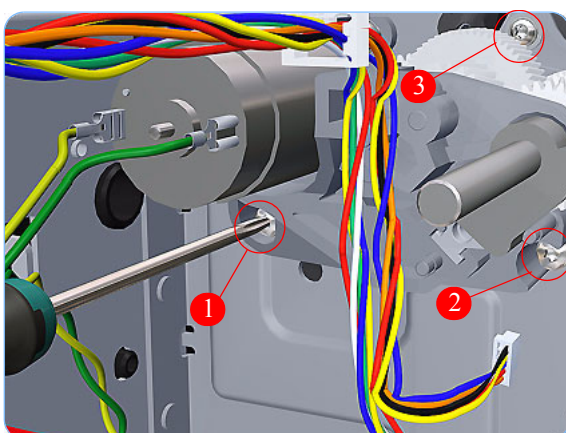
2. Insert the three T-15 attachment screws but do NOT fully tighten them.



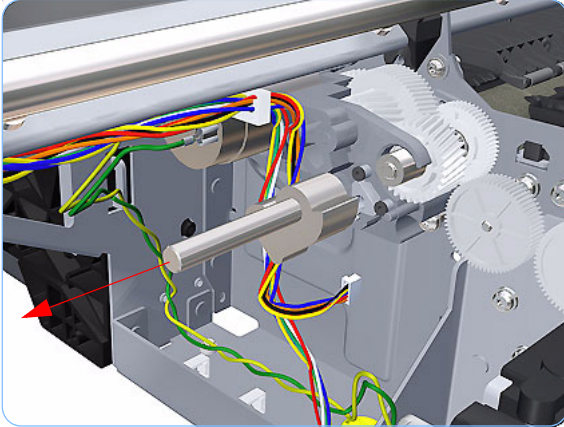
- 3.** Position the Media Advance Drive Adjustment Tool on the end Media Advance Roller shaft, push it firmly onto the shaft and maintain a constant pressure to ensure it is flush to the Media Advance Drive.



- 4.** Rotate the Media Advance Drive Adjustment Tool fully counter-clockwise to ensure its flat surface of the tool is firmly against the flat surface of the Media Advance Drive mounting.



- 5.** While maintaining pressure on the Media Advance Drive Adjustment Tool, fully tighten the three T-15 attachment screws in the order shown.



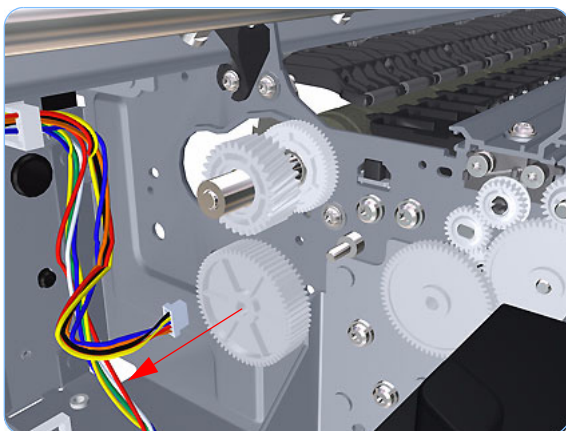
6. Remove the Media Advance Drive Adjustment Tool.

Media Advance Roller

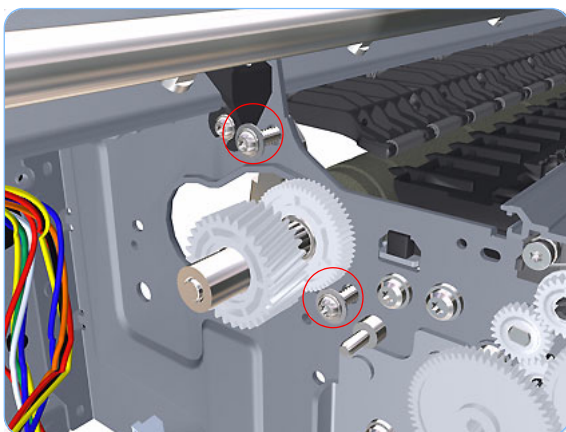
Removal

Switch off the printer and remove the power cable.

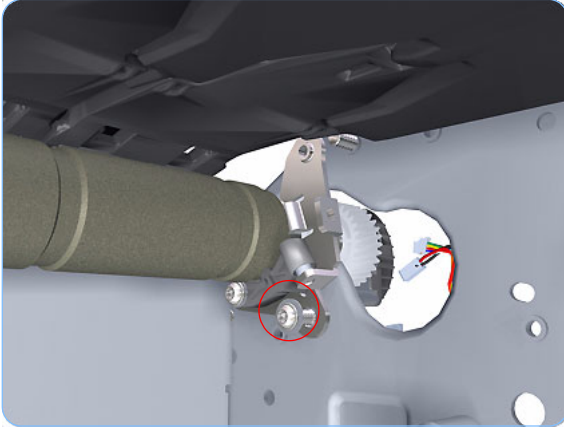
1. Remove the Left Cover (refer to page 8-26).
2. Remove the Clean Out Assembly (refer to page 8-78).
3. Remove the Electronics Module (Main PCA and PSU) (refer to page 8-141).
4. Remove the Left Spittoon (refer to page 8-150).
5. Remove the Media Advance Drive (refer to page 8-155).
6. Remove the Media Advance Roller drive gear wheel to gain access the locking plate attachment screw.



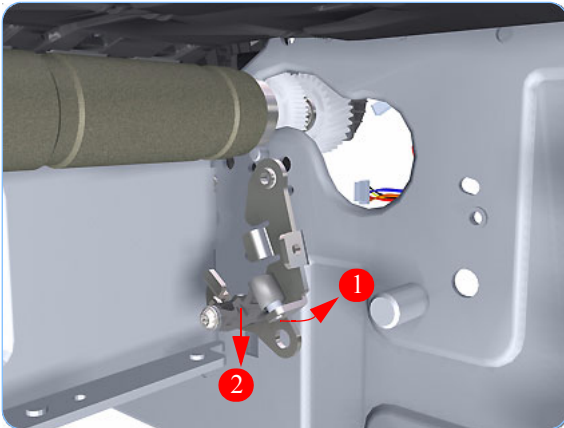
The Media Advance Roller drive gear is delicate, and should be removed straight off the spindle.



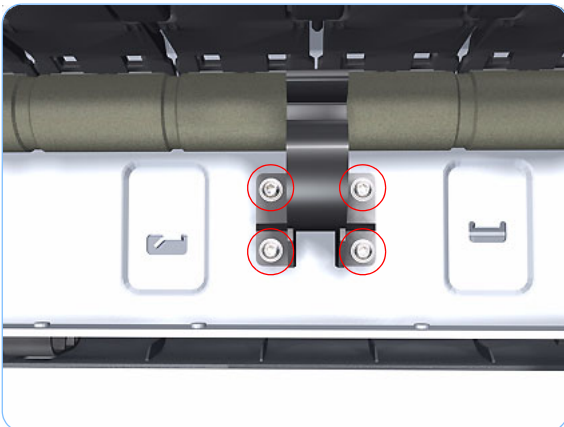
7. Remove two T-15 screws that secure the Media Advance Roller locking plate to the printer.



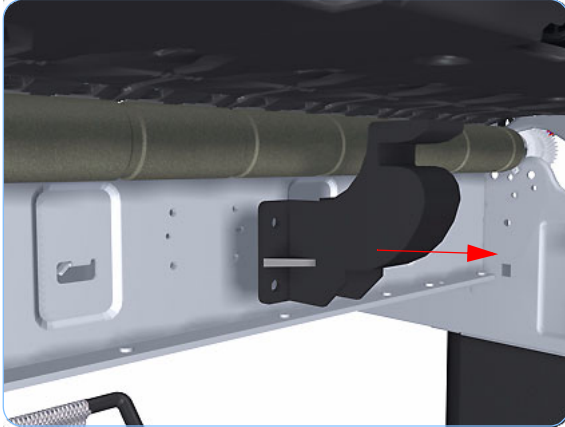
- 8.** Remove one T-15 screw that secures the Media Advance Roller locking plate to the printer.



- 9.** Rotate the Media Advance Roller locking plate counterclockwise approximately 10 degrees and remove it from the printer (viewed from the rear of the printer).



- 10.** Remove four T-15 screws that secure the Media Advance Roller right support to the printer.



11. Remove the Media Advance Roller right support from the printer.

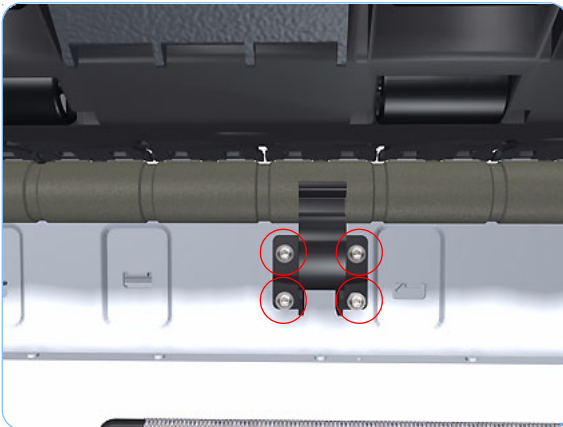
12. Repeat steps 12 and 13 for the Media Advance Roller left support.



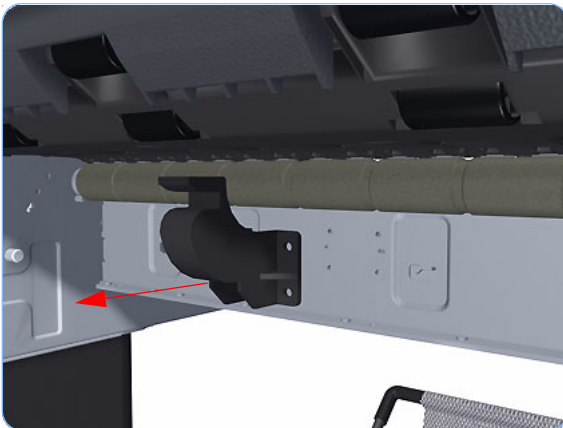
13. Remove two T-15 screws that secure the Media Advance Roller left locking plate (viewed from the rear of the printer).



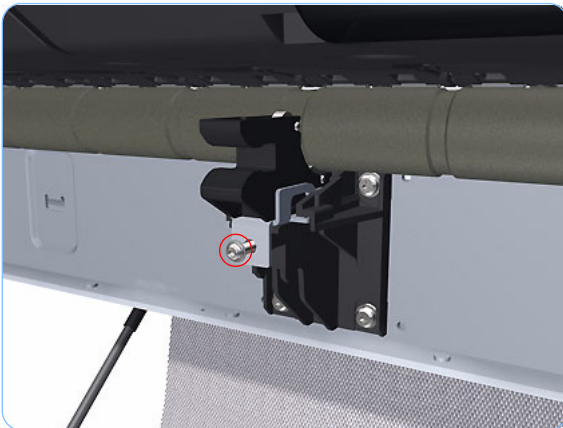
14. Remove the Media Advance Roller left locking plate (viewed from the rear of the printer).



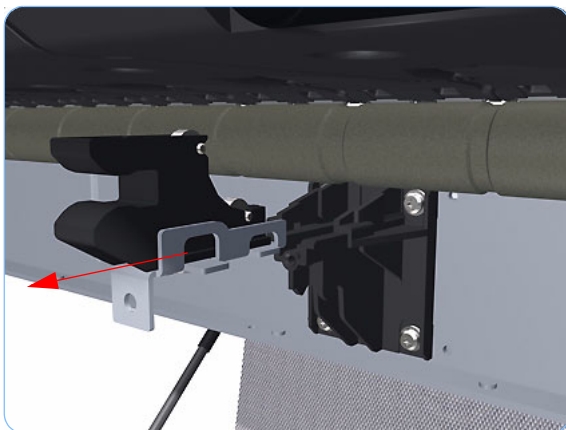
- 15.** Remove four T-15 screws that secure the Media Advance Roller left support to the printer.



- 16.** Remove the Media Advance Roller left support from the printer.

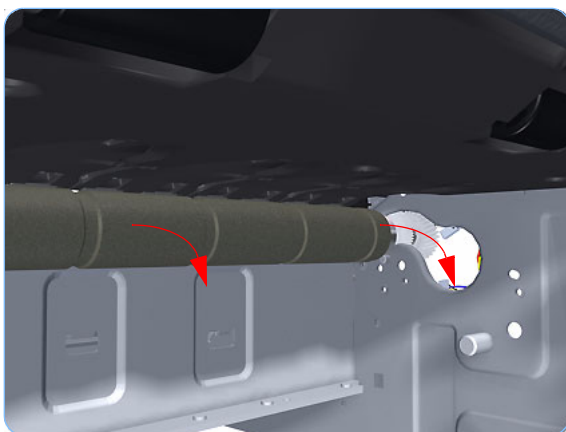


- 17.** Remove one T-15 screw that secures the Media Advance Roller center support locking plate.

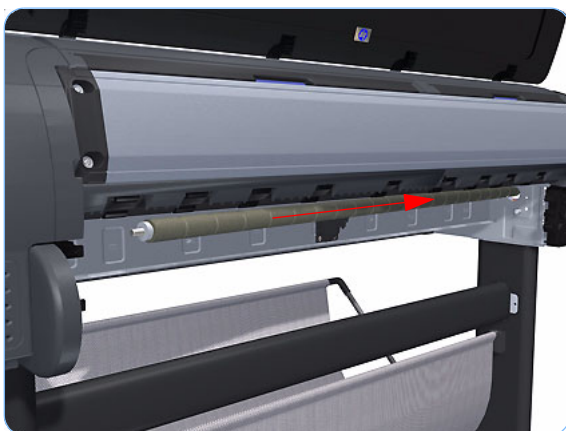


- 18.** With firm pressure, remove the Media Advance Roller center support locking plate.

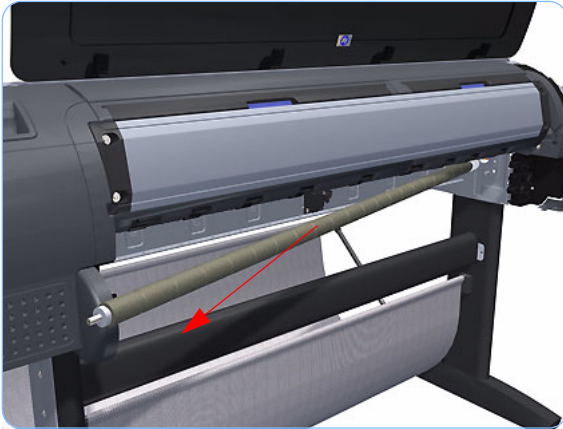
You will need to use extra force to remove the center support locking plate.



- 19.** Slide the Media Advance Roller into removal position.



- 20.** Slide the Media Advance Roller towards the right (viewed from the rear of the printer) until you can disengage the left end (viewed from the rear of the printer).



- 21.** Slide the Media Advance Roller towards the left to disengage the left end and remove the Media Advance Roller from the printer.

Do not let the Media Advance Roller touch any surfaces, particularly metallic surfaces.

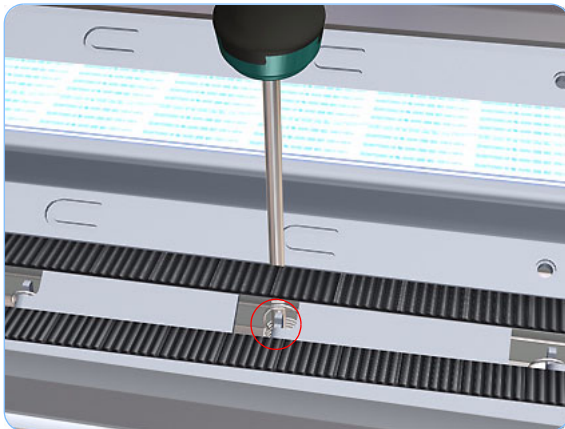
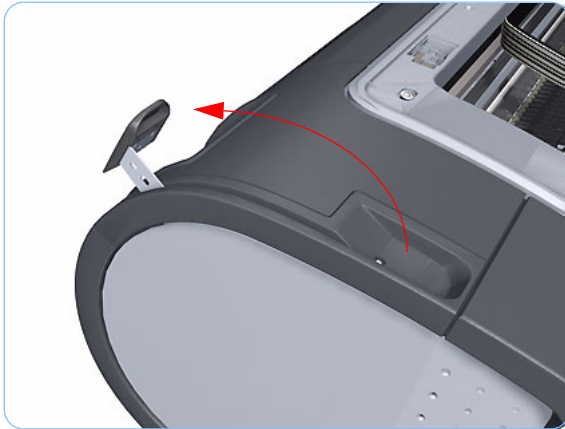
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Pinchwheel Assembly

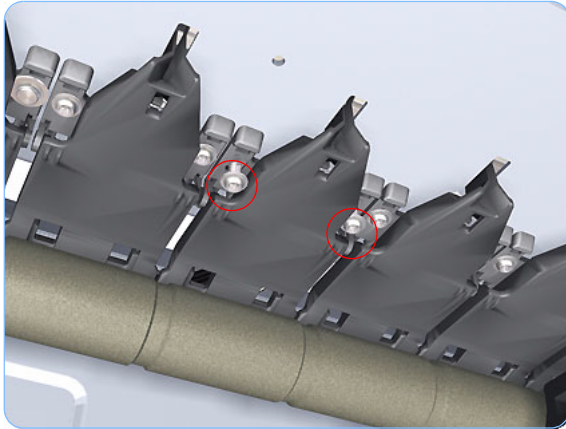
Removal

Switch off the printer and remove the power cable.

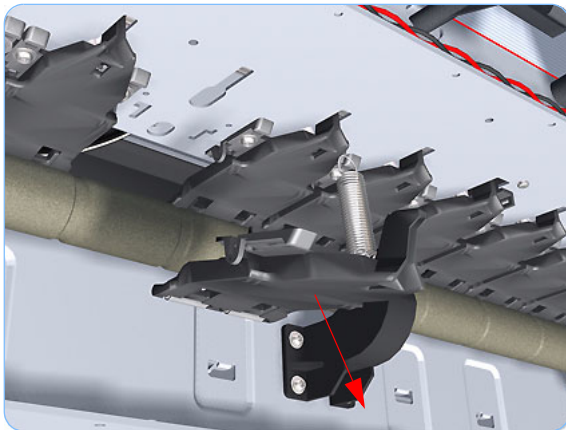
1. Remove the Window (refer to page 8-8).
2. Remove the Spindle (refer to page 8-70).
3. Remove the Left Roll Guide (refer to page 8-82).
4. Remove the Right Roll Guide (refer to page 8-83).
5. Raise the Media Lever.



6. Use the Pinchwheel Insertion Tool to remove the spring from the attachment on the printer.



7. Remove two T-15 screws that secure the Pinchwheel Assembly to the printer.

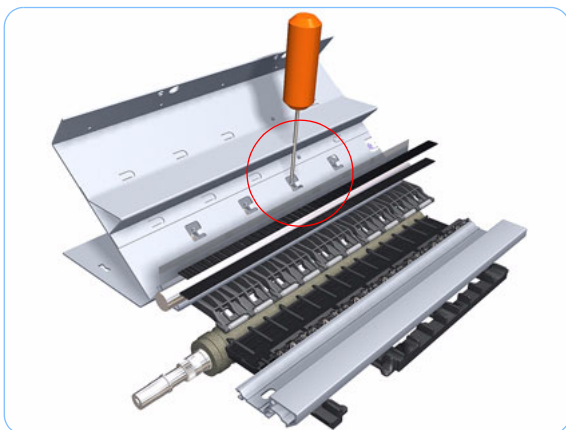


8. Remove the Pinchwheel Assembly from the printer.

Installation

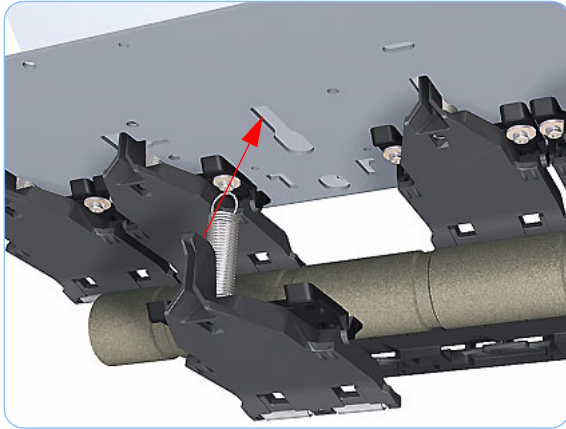
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Use the following procedure to align the Pinchwheel Assembly using the Pinchwheel Alignment Tool during reassembly

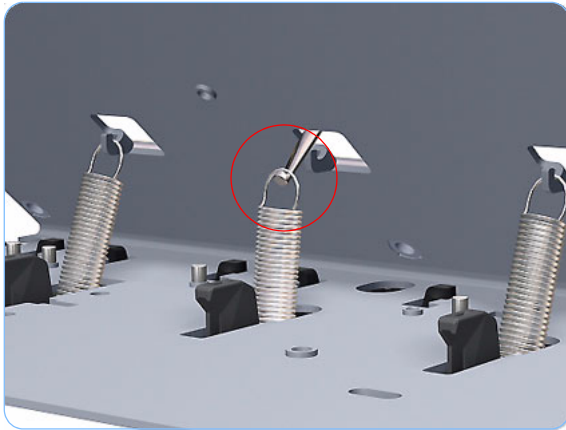


1. Insert the Pinchwheel Insertion Tool through the appropriate access hole for the Pinchwheel Assembly you are installing.

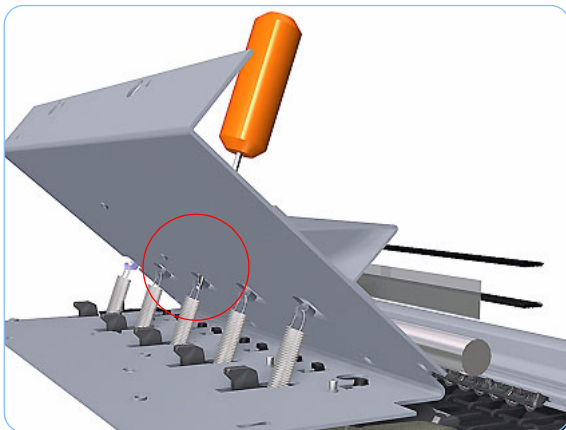
Be very careful not to damage the Encoder Strip or the Belt Assembly with the Pinchwheel Insertion Tool.



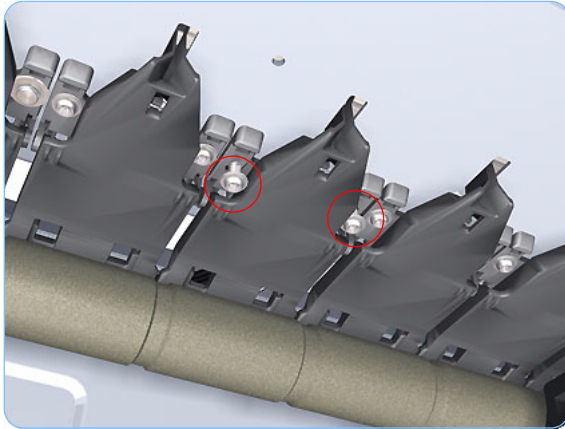
- 2.** Position the new Pinchwheel Assembly correctly on its hanger.



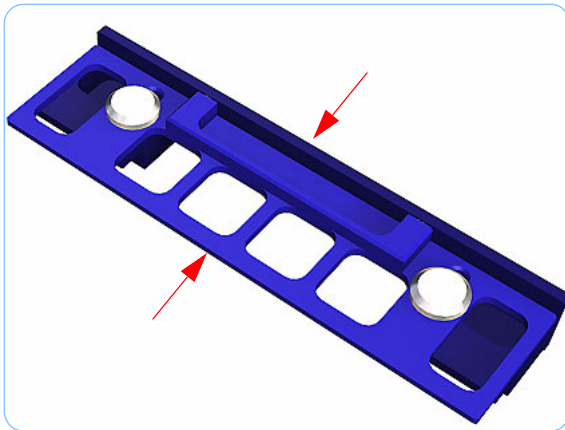
- 3.** Hook the spring of the Pinchwheel Assembly you are installing with the Pinchwheel Insertion Tool.



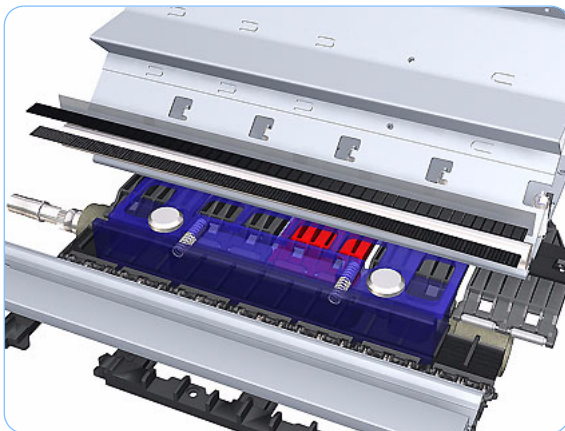
- 4.** Attach the spring to its attachment point on the hanger and remove the Pinchwheel Insertion Tool.



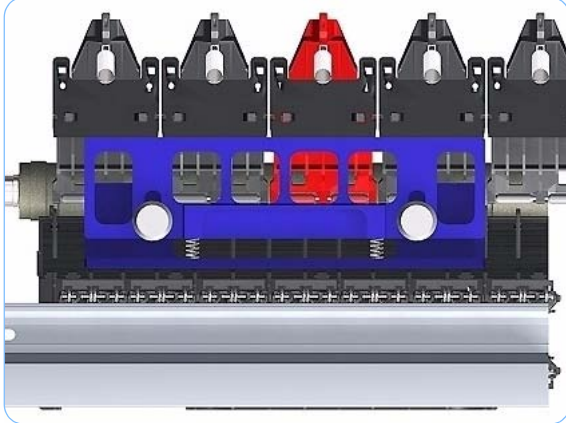
5. Attach the new Pinchwheel Assembly with the two T-15 screws that secure to the printer but do fully NOT tighten the screws.



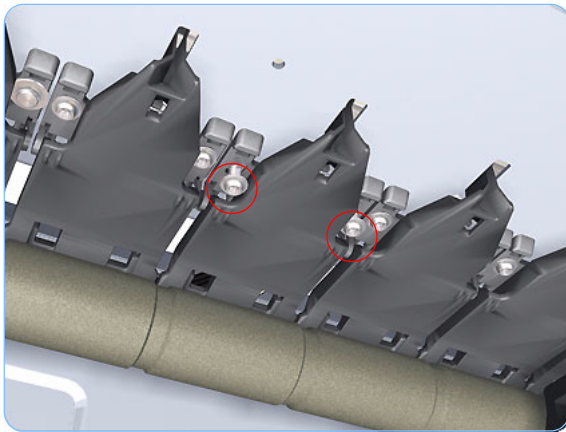
6. Compress the Pinchwheel Alignment Tool.



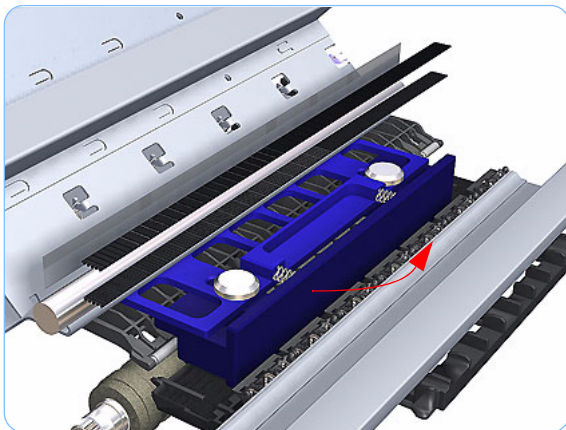
7. Position the Pinchwheel Alignment Tool on the platen so it is aligned with the two adjacent Pinchwheels to the one you are installing.



- 8.** Push the replacement Pinchwheel Assembly fully forward so it is firmly against the Pinchwheel Alignment Tool to align it correctly.



- 9.** Fully tighten the two T-15 attachment screws tighten.



- 10.** Remove the Pinchwheel Alignment Tool.

Pinch Roller

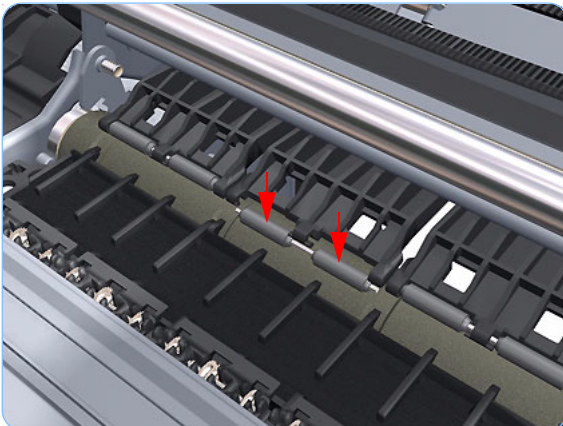
Removal

Switch off the printer and remove the power cable.

1. Open the Window.
2. Raise the Media Lever.

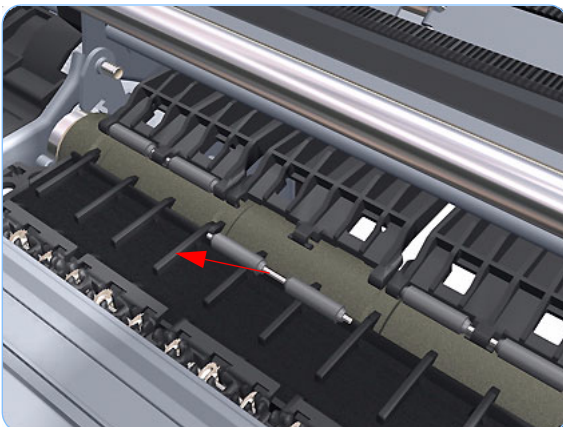


3. Apply enough downward pressure to the Pinch Roller to release it from the Pinchwheel Assembly.



4. Remove the Pinch Roller.

When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

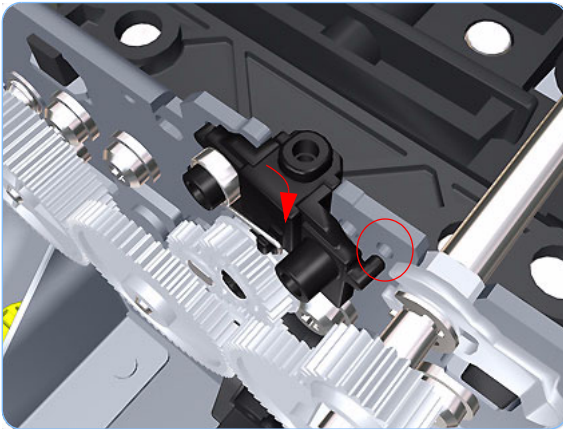
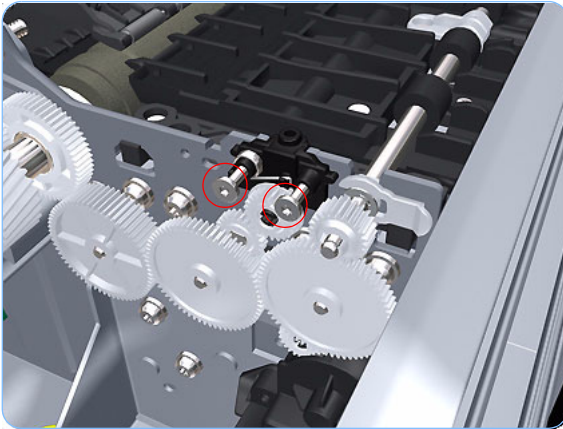


Left Starwheel Lifter

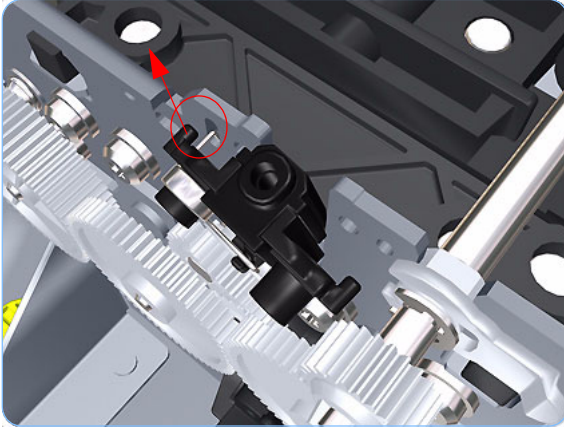
Removal

Switch off the printer and remove the power cable.

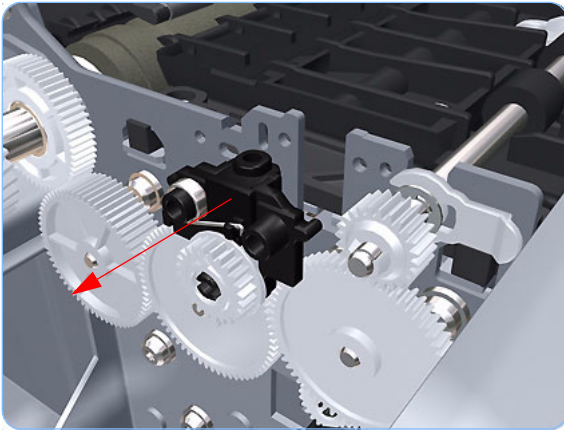
1. Remove the Front Cover (refer to page 8-12).
2. Remove the Left Cover (refer to page 8-26).
3. Remove the Electronics Module (Main PCA and PSU) (refer to page 8-141).
4. Remove the Left Spittoon (refer to page 8-150).
5. Remove the Starwheel Assembly (refer to page 8-144).
6. Remove two T-8 screws that secure the Left Starwheel Lifter to the printer.



7. Rotate the Left Starwheel Lifter sufficiently to disengage the right attachment lug.



8. Tilt the Left Starwheel Lifter sufficiently to disengage the left attachment lug.



9. Remove the Left Starwheel Lifter from the printer.

Do NOT remove the spring from the Left Starwheel Lifter, because it is difficult to reattach.

When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

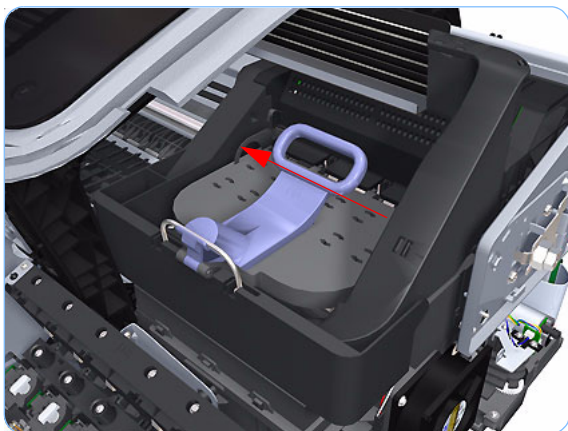
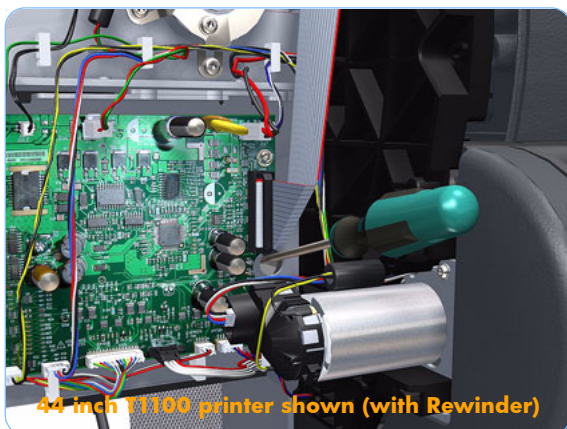
Right Starwheel Lifter

Removal

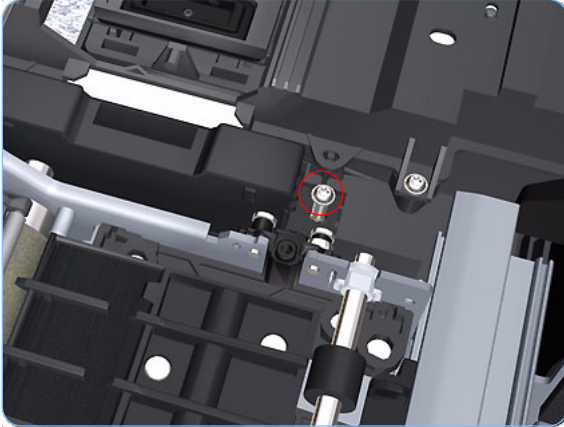
Switch off the printer and remove the power cable.

1. Remove the Front Cover (refer to page 8-12).
2. Remove the Right Cover (refer to page 8-23).
3. Remove the Starwheel Assembly (refer to page 8-144).
4. Loosen the T-10 uncapping screw sufficiently so you can manually move the Carriage Assembly in step 5.

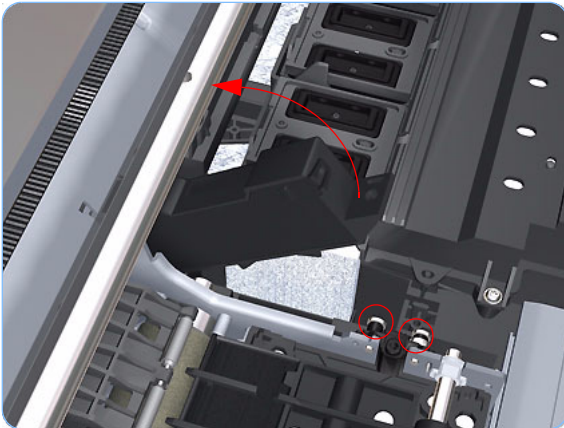
If you are uncapping a 44 inch printer, you will need to use either a very long or very short screwdriver to loosen the uncapping screw. In this way, you can loosen the screw and pass the rewinder motor.



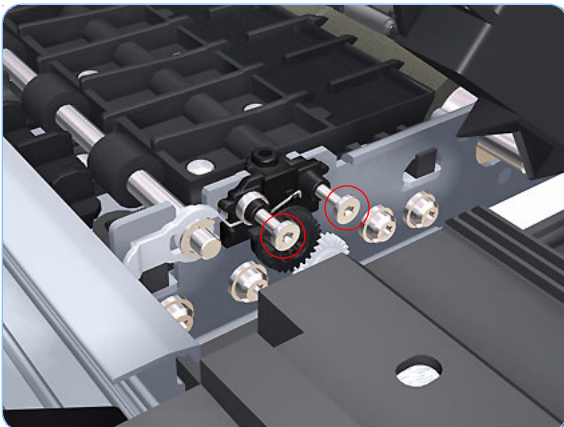
5. Push the Carriage Assembly into the print path.



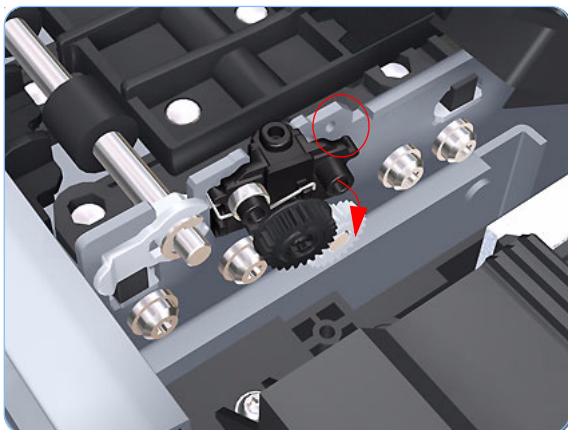
- 6.** Remove one T-15 screw that secures the Drop Detector to the Service Station.



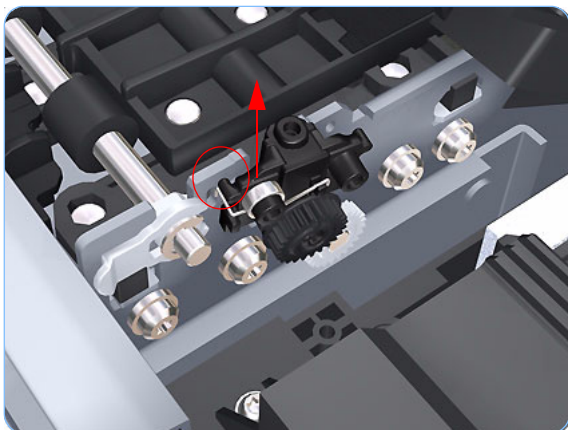
- 7.** Rotate the Drop Detector vertically to gain access to the two screws that secure the Right Starwheel Lifter.



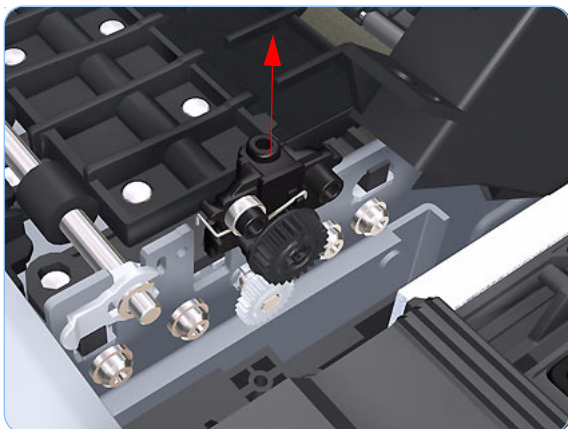
- 8.** Remove two T-8 screws that secure the Right Starwheel Lifter to the printer.



9. Rotate the Right Starwheel Lifter sufficiently to disengage the right attachment lug.



10. Tilt the Right Starwheel Lifter sufficiently to disengage the left attachment lug.



11. Remove the Right Starwheel Lifter from the printer.

Do NOT remove the spring from the Right Starwheel Lifter, because it is difficult to reattach.

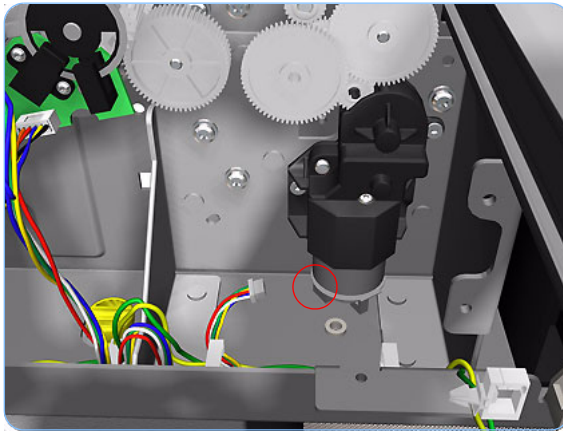
When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

Starwheel Motor

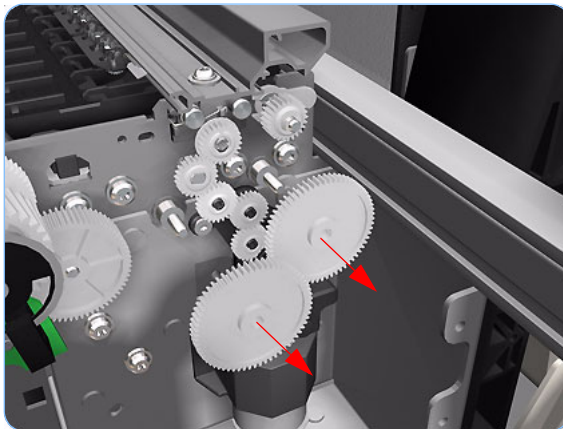
Removal

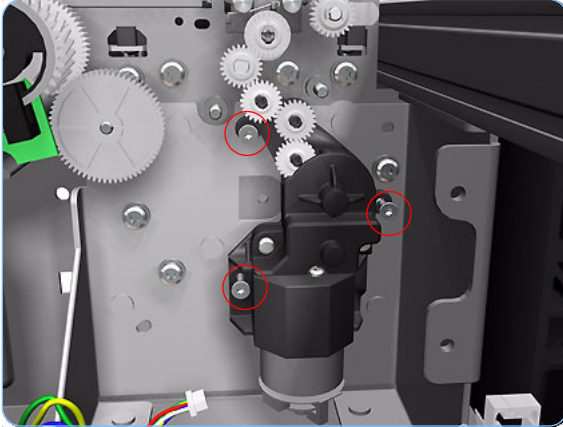
Switch off the printer and remove the power cable.

1. Remove the Front Cover (refer to page 8-12).
2. Remove the Left Cover (refer to page 8-26).
3. Remove the Electronics Module (Main PCA and PSU) (refer to page 8-141).
4. Remove the Left Spittoon (refer to page 8-150).
5. Disconnect the Starwheel Motor electrical connector.

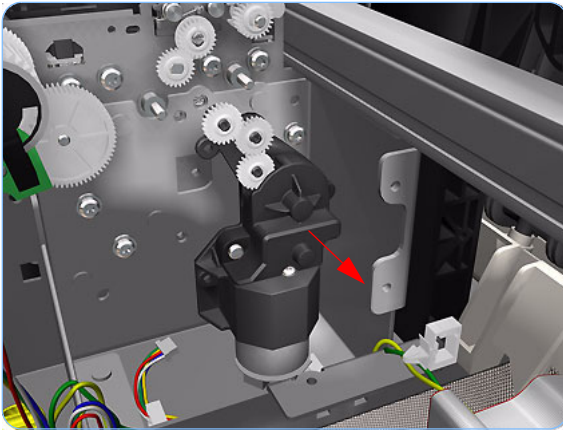


6. Carefully pull the two gear wheels off their shafts to gain access to the Starwheel Motor attachment screws.





7. Remove three T-15 screws that secure the Starwheel Motor to the printer.



8. Lift the Starwheel Motor out of the printer.

When you finish installing or replacing this component, you must perform the necessary Service Calibrations. To find which calibrations you must perform, Refer to page 8-4, *Service Calibration Guide to Removal and Installation*.

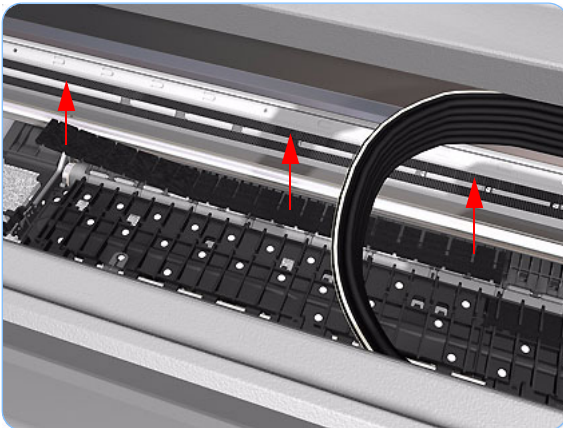
Full Bleed Foam

Removal

Switch off the printer and remove the power cable.

The complete Full Bleed Foam is constructed of three separate sections, left, center and right. This procedure only describes how to remove the left section. Removal of the other two sections is identical.

1. Open the Window.
2. Remove the Left Full Bleed Foam from the left platen.
3. Remove the Platten Middle Foams that are exposed once the Full Bleed Foam has been removed.



When you reinstall the full bleed foams, take care to correctly seat them to avoid possible damage to the Carriage Assembly

